



TFT-LCD TV/MONITOR

| Chassis | Model |
|---------|----------|
| RE23EO | LE23R51B |
| RE26EO | LE26R51B |
| RE32EO | LE32R51B |
| RE40EO | LE40R51B |

SERVICE Manual

TFT-LCD TV/MONITOR



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1 Precautions

Follow these safety, servicing and ESD precautions to prevent damage and to protect against potential hazards such as electrical shock.

1-1 Safety Precautions

1-1-1 Warnings

1. For continued safety, do not attempt to modify the circuit board.
2. Disconnect the AC power and DC Power Jack before servicing.

1-1-2 Servicing the LCD Monitor

1. When servicing the LCD Monitor Disconnect the AC line cord from the AC outlet.
2. It is essential that service technicians have an accurate voltage meter available at all times. Check the calibration of this meter periodically.

1-1-3 Fire and Shock Hazard

Before returning the monitor to the user, perform the following safety checks:

1. Inspect each lead dress to make certain that the leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the monitor.
2. Inspect all protective devices such as nonmetallic control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
3. Leakage Current Hot Check (Figure 1-1):
WARNING: Do not use an isolation transformer during this test.

Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (UL Publication UL1410, 59.7).

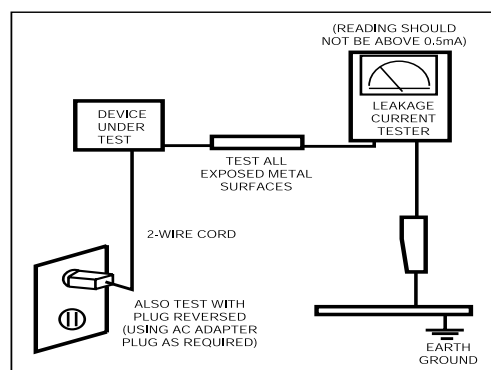


Figure 1-1. Leakage Current Test Circuit

4. With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

1-1-4 Product Safety Notices

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection. The protection they give may not be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by \triangle on schematics and parts lists. A substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1 Precautions

1-2 Servicing Precautions

WARNING: An electrolytic capacitor installed with the wrong polarity might explode.

Caution: Before servicing units covered by this service manual, read and follow the Safety Precautions section of this manual.

Note: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions.

1-2-1 General Servicing Precautions

1. Always unplug the unit's AC power cord from the AC power source and disconnect the DC Power Jack before attempting to:
(a) remove or reinstall any component or assembly, (b) disconnect PCB plugs or connectors, (c) connect a test component in parallel with an electrolytic capacitor.
2. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
3. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the area around the serviced part has not been damaged.
4. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
5. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500 V) to the blades of the AC plug.
The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
6. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

1-3 Electrostatically Sensitive Devices (ESD) Precautions

Some semiconductor (solid state) devices can be easily damaged by static electricity. Such components are commonly called Electrostatically Sensitive Devices (ESD). Examples of typical ESD are integrated circuits and some field-effect transistors. The following techniques will reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. To avoid a shock hazard, be sure to remove the wrist strap before applying power to the monitor.
2. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of an electrostatic charge.
3. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESDs.
4. Use only a grounded-tip soldering iron to solder or desolder ESDs.
5. Use only an anti-static solder removal device. Some solder removal devices not classified as anti-static can generate electrical charges sufficient to damage ESDs.
6. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
7. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
Caution: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.
8. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting your foot from a carpeted floor can generate enough static electricity to damage an ESD.

2 Product Specifications

2-1 LE23R41B Specifications

| Item | Description | |
|---|--|----------------------|
| LCD Panel | TFT-LCD panel, RGB vertical stripe, normally white, 23-Inch viewable, 0.4425 (H) x 0.264(V)mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic) | |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1366 Pixels Vertical : 768 Pixels | |
| Input Video Signal | Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated | |
| Input Sync Signal | Type : Seperate H/V Level : TTL level | |
| Maximum Pixel Clock rate | 80 MHz | |
| Active Display Horizontal/Vertical | 556.4 mm / 339.8 mm | |
| AC power voltage & Frequency | AC 220 ~ 240V, 50 ~ 60 Hz | |
| Power Consumption | 140 W | |
| Dimensions(W x D x H) Set | 583.0 X 90.0 X 443.0 mm (21.18 x 3.54 x 7.44 inches) Body 583.0 X 206.0 X 484.7 mm (21.18 x 8.11 x 19.08 inches) With stand | |
| Weight Set(After installation Stand) | 15.0 kg (33.07 lbs) | |
| Environmental Considerations | Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Tuning | Frequency Synthesize |
| | System | PAL, SECAM |
| | Sound | MONO, STEREO, NICAM |
| Antena Input | 75 Ω | |
| Sound Characteristic | – MAX Internal speaker Out : Right => 3 W, Left => 3 W | |
| | – BASS Control Range : -8 dB ~ + 8dB – TREBLE Control Range : -8 dB ~ +8 dB – Headphone Out : 10 mW MAX – Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz | |

2 Product Specifications

2-2 LE26R41B Specifications

| Item | Description | |
|---|--|----------------------|
| LCD Panel | TFT-LCD panel, RGB vertical stripe, normally white, 26-Inch viewable, 0.4425 (H) x 0.264(V)mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic) | |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1366 Pixels Vertical : 768 Pixels | |
| Input Video Signal | Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated | |
| Input Sync Signal | Type : Seperate H/V Level : TTL level | |
| Maximum Pixel Clock rate | 80 MHz | |
| Active Display Horizontal/Vertical | 556.4 mm / 339.8 mm | |
| AC power voltage & Frequency | AC 220 ~ 240V, 50 ~ 60 Hz | |
| Power Consumption | 150 W | |
| Dimensions(W x D x H) Set | 662.0 x 94.0 x 497.8 mm (26.06 x 3.70 x 19.598 inches) Body 662.0 x 206.0 x 539.0 mm (26.06 x 8.11 x 21.22 inches) With stand | |
| Weight Set(After installation Stand) | 15.0 kg (33.07 lbs) | |
| Environmental Considerations | Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Tunning | Frequency Synthesize |
| | System | PAL, SECAM |
| | Sound | MONO, STEREO, NICAM |
| Antena Input | 75 Ω | |
| Sound Characteristic | – MAX Internal speaker Out : Right => 5 W, Left => 5 W | |
| | – BASS Control Range : -8 dB ~ + 8dB – TREBLE Control Range : -8 dB ~ +8 dB – Headphone Out : 10 mW MAX – Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz | |

2-3 LE32R41B Specifications

| Item | Description | |
|---|--|----------------------|
| LCD Panel | TFT-LCD panel, RGB vertical stripe, normally white, 32-Inch viewable, 0.537(H) x 0.537(V) mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic) | |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1366 Pixels Vertical : 768 Pixels | |
| Input Video Signal | Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated | |
| Input Sync Signal | Type : Separate H/V Level : TTL level | |
| Maximum Pixel Clock rate | 80 MHz | |
| Active Display Horizontal/Vertical | 697.7 mm / 392.4 mm | |
| AC power voltage & Frequency | AC 220 ~ 240V, 50 ~ 60 Hz | |
| Power Consumption | 160 W | |
| Dimensions(W x D x H) Set | 797.0 x 99.0 x 592.0 mm (31.38 x 3.898 x 23.31 inches) Body 797.0 x 249.0 x 650.7 mm (31.38 x 9.80 x 25.62 inches) With Stand | |
| Weight Set(After installation Stand) | 15.0 kg (33.07 lbs) | |
| Environmental Considerations | Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Tuning | Frequency Synthesize |
| | System | PAL, SECAM |
| | Sound | MONO, STEREO, NICAM |
| Antenna Input | 75 Ω | |
| Sound Characteristic | – MAX Internal speaker Out : Right => 10 W, Left => 10 W | |
| | – BASS Control Range : -8 dB ~ + 8dB – TREBLE Control Range : -8 dB ~ +8 dB – Headphone Out : 10 mW MAX – Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz | |

2 Product Specifications

2-4 LE40R41B Specifications

| Item | Description | |
|---|--|----------------------|
| LCD Panel | TFT-LCD panel, RGB vertical stripe, normally white, 40-Inch viewable, 0.4425 (H) x 0.264(V)mm pixel pitch | |
| Scanning Frequency | Horizontal : 30 kHz ~ 61 kHz (Automatic) Vertical : 60 Hz ~ 75 Hz (Automatic) | |
| Display Colors | 16.7 Million colors | |
| Maximum Resolution | Horizontal : 1366 Pixels Vertical : 768 Pixels | |
| Input Video Signal | Analog 0.7 Vp-p \pm 5% positive at 75 Ω , internally terminated | |
| Input Sync Signal | Type : Seperate H/V Level : TTL level | |
| Maximum Pixel Clock rate | 80 MHz | |
| Active Display Horizontal/Vertical | 556.4 mm / 339.8 mm | |
| AC power voltage & Frequency | AC 220 ~ 240V, 50 ~ 60 Hz | |
| Power Consumption | 240 W | |
| Dimensions(W x D x H) Set | 989.0 x 333.1 x 762.6 mm ((38.94 x 13.11 x 30.02 inches) Body 989.0 x 110.0 x 702.6 mm (38.94 x 4.33 x 27.66 inches) With stand | |
| Weight Set(After installation Stand) | 27.2 kg (59.96 lbs) | |
| Environmental Considerations | Operating Temperature : 50 °F ~ 104 °F (10 °C ~ 40 °C) Operating Humidity : 10 % ~ 80 % Storage Temperature : -4 °F ~ 113 °F (-20 °C ~ 45 °C) Storage Humidity : 5 % ~ 95 % | |
| TV System | Tunning | Frequency Synthesize |
| | System | PAL, SECAM |
| | Sound | MONO, STEREO, NICAM |
| Antena Input | 75 Ω | |
| Sound Characteristic | – MAX Internal speaker Out : Right => 10 W, Left => 10 W | |
| | – BASS Control Range : -8 dB ~ + 8dB – TREBLE Control Range : -8 dB ~ +8 dB – Headphone Out : 10 mW MAX – Output Frequency : RF : 80 Hz ~ 15 kHz A/V : 80 Hz ~ 20 kHz | |

2-5 Pin Assignments

2-5-1 HDMI

| Type A pin | Singnal Name | Wire |
|------------|---------------------------------------|--------------------|
| 1 | TMDS Data2+ | TMDS Signal wire |
| 2 | TMDS Data2 Shield | TMDS Shield |
| 3 | TMDS Data2- | TMDS Signal wire |
| 4 | TMDS Data1+ | TMDS Signal wire |
| 5 | TMDS Data2 Shield | TMDS Shield |
| 6 | TMDS Data1- | TMDS Signal wire |
| 7 | TMDS Data0+ | TMDS Signal wire |
| 8 | TMDS Data0 Shield | TMDS Shield |
| 9 | TMDS Data0- | TMDS Signal wire |
| 10 | TMDS Clock+ | TMDS Signal wire |
| 11 | TMDS Clock Shield | TMDS Clock Shield |
| 12 | TMDS Clock- | TMDS Shield |
| 13 | CEC | Control |
| 14 | Reserved (in cable but N.C on device) | Control |
| 15 | SCL | Control |
| 16 | SDA | Control |
| 17 | DDC/CEC Ground | Control |
| 18 | +5V Power | 5 Volts Power wire |
| 19 | Hot Plug Delect | Control |

2 Product Specifications

2-5-2 Component 1

| | |
|-----------|---------|
| RCA Green | Y |
| | GND |
| RCA Blue | Pb (Cb) |
| | GND |
| RCA Red | Pr (Cr) |
| | GND |
| RCA White | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-5-3 S-Video

| Pin | Separate |
|-----|----------|
| 1 | GND |
| 2 | Y |
| 3 | C |
| 4 | GND |
| 5 | GND |

2-5-4 A/V

| | |
|------------|---------|
| RCA Yellow | CVBS |
| RCA White | Audio L |
| | GND |
| RCA Red | Audio R |
| | GND |

2-5-5 SCART 1

| Pin | Separate | Pin | Separate |
|-----|---------------|-----|-------------------|
| 1 | SC1 RED OUT | 12 | N/C |
| 2 | SC1 RED IN | 13 | GND |
| 3 | SC1 LEFT OUT | 14 | GND |
| 4 | GND | 15 | SC1 RED |
| 5 | GND | 16 | GND |
| 6 | SC1 LEFT IN | 17 | SC1 FAST BLANKING |
| 7 | SC1 BLUE | 18 | GND |
| 8 | SC1 SWITCHING | 19 | SC1 CVBS OUT |
| 9 | GND | 20 | SC1 CVBS IN |
| 10 | N/C | 21 | GND |
| 11 | SC1 GREEN | | |

2-5-6 SCART 2

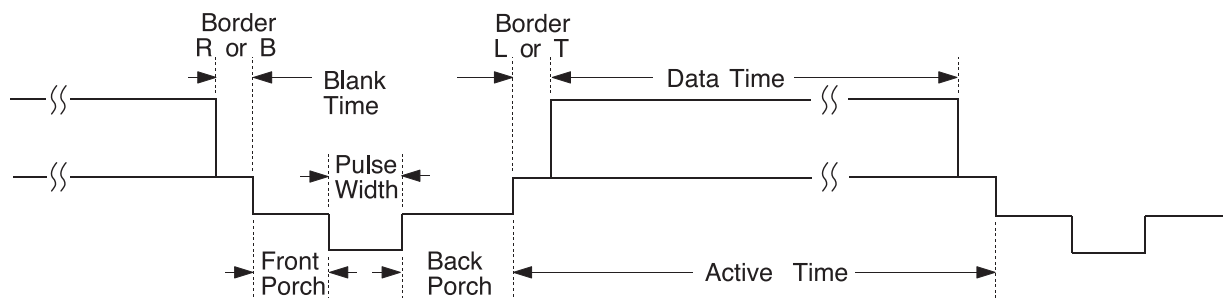
| Pin | Separate | Pin | Separate |
|-----|---------------|-----|--------------|
| 1 | SC2 RED OUT | 12 | N/C |
| 2 | SC2 RED IN | 13 | GND |
| 3 | SC2 LEFT OUT | 14 | GND |
| 4 | GND | 15 | N/C |
| 5 | GND | 16 | N/C |
| 6 | SC2 LEFT IN | 17 | GND |
| 7 | N/C | 18 | GND |
| 8 | SC2 SWITCHING | 19 | SC2 CVBS OUT |
| 9 | GND | 20 | SC2 CVBS IN |
| 10 | N/C | 21 | GND |
| 11 | N/C | | |

2-6 Timing Chart

This section of the service manual describes the timing that the computer industry recognizes as standard for computer-generated video signals.

2-6-1 LCD Panel Mode1 mode

| | | |
|------------------|----------------|----------------|
| Timing No. | | |
| Originator | VESA | VESA |
| Mode Name | 1280/60Hz | 1366/60Hz |
| Resolution (HxV) | 1280x768 | 1366x768 |
| HORIZONTAL | | |
| Frequency | 47.700kHz | 47.712kHz |
| Total time | 20.964 μ s | 20.959 μ s |
| Active time | 15.973 μ s | 15.906 μ s |
| Blank time | 4.992 μ s | 5.053 μ s |
| Border(L / R) | 0.000 μ s | 0.000 μ s |
| Data time | 15.964 μ s | 15.906 μ s |
| Front porch | 0.799 μ s | 0.749 μ s |
| Sync. width | 1.697 μ s | 1.702 μ s |
| Back porch | 2.496 μ s | 2.994 μ s |
| Sync. polarity | Negative | Positive |
| VERTICAL | | |
| Frequency | 60.000Hz | 60.015Hz |
| Total time | 16.667ms | 16.662ms |
| Active time | 16.101ms | 16.097ms |
| Blank time | 0.566ms | 0.566ms |
| Border(T / B) | 0.000ms | 0.000ms |
| Data time | 16.101ms | 16.097ms |
| Front porch | 20.964ms | 0.063ms |
| Sync. width | 62.893ms | 0.105ms |
| Back porch | 482.180 | 0.377ms |
| Sync polarity | Positive | Positive |
| Dot Clock | 80.136MHz | 85.500MHz |
| Sync. Type | Separate | Separate |
| Scan Type | N/I | N/I |



2-6-1 Supported Modes (1)

| | | | | |
|------------------|-----------|-----------|-----------|-----------|
| Timing No. | 2 | 3 | 11 | 17 |
| Originator | IBM | IBM | VESA | VESA |
| Mode Name | VGA2 | VGA3 | 640/72Hz | 640/75Hz |
| Resolution (HxV) | 720x400 | 640x480 | 640x480 | 640x480 |
| HORIZONTAL | | | | |
| Frequency | 31.469kHz | 31.469kHz | 37.861kHz | 37.500kHz |
| Total time | 31.777μs | 31.778μs | 26.413μs | 26.667μs |
| Active time | 26.058μs | 26.058μs | 20.825μs | 20.317μs |
| Blank time | 5.720μs | 5.720μs | 5.588μs | 6.350μs |
| Border(L / R) | 0.318μs | 0.318μs | 0.254μs | 0.000μs |
| Data time | 25.422μs | 25.422μs | 20.317μs | 20.317μs |
| Front porch | 0.318μs | 0.318μs | 0.508μs | 0.508μs |
| Sync. width | 3.813μs | 3.813μs | 1.270μs | 2.032μs |
| Back porch | 1.589μs | 1.589μs | 3.810μs | 3.810μs |
| Sync. polarity | Negative | Negative | Negative | Negative |
| VERTICAL | | | | |
| Frequency | 70.087Hz | 59.940Hz | 72.809Hz | 75.000Hz |
| Total time | 14.268ms | 16.683ms | 13.735ms | 13.333ms |
| Active time | 13.155ms | 15.761ms | 13.100ms | 12.800ms |
| Blank time | 1.113ms | 0.922ms | 0.635ms | 0.533ms |
| Border(T / B) | 0.222ms | 0.254ms | 0.211ms | 0.000ms |
| Data time | 12.711ms | 15.253ms | 12.678ms | 12.800ms |
| Front porch | 0.191ms | 0.064ms | 0.026ms | 0.027ms |
| Sync. width | 0.064ms | 0.064ms | 0.079ms | 0.080ms |
| Back porch | 0.858ms | 0.794ms | 0.528ms | 0.427ms |
| Sync polarity | Positive | Negative | Negative | Negative |
| Dot Clock | 28.322MHz | 25.175MHz | 31.500MHz | 31.500MHz |
| Sync. Type | Separate | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I | N/I |

2 Product Specifications

2-6-1 Supported Modes (2)

| Timing No. Originator Mode Name Resolution (HxV) | 13 VESA 800/60Hz 800x600 | 14 VESA 800/72Hz 800x600 | 18 VESA 800/75Hz 800x600 |
|---|---|---|--|
| HORIZONTAL Frequency Total time Activetime Blank time Border(L / R) Data time Front porch Sync. width Back porch Sync. polarity | 37.879kHz 26.400μs 20.000μs 6.400 μs 0.000 μs 20.000μs 1.000 μs 3.200 μs 2.200 μs Positive | 48.077kHz 20.800μs 16.000μs 4.800 μs 0.000 μs 16.000μs 1.120 μs 2.400 μs 1.280 μs Positive | 46.875kHz 21.333 μs 16.162 μs 5.171 μs 0.000 μs 16.162 μs 0.323 μs 1.616 μs 3.232 μs Positive |
| VERTICAL Frequency Total time Active time Blank time Border(T / B) Data time Front porch Sync. width Back porch Sync polarity | 60.317Hz 16.579ms 15.840ms 0.739ms 0.000ms 15.840ms 0.026ms 0.106ms 0.607ms Positive | 72.188Hz 13.853ms 12.480ms 1.373ms 0.000ms 12.480ms 0.770ms 0.125ms 0.478ms Positive | 75.000Hz 13.333ms 12.800ms 0.533ms 0.000ms 12.800ms 0.021ms 0.064ms 0.448ms Positive |
| Dot Clock | 40.000MHz | 50.000MHz | 49.500MHz |
| Sync. Type | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I |

2-6-1 Supported Modes (3)

| | | | | |
|------------------|----------------|----------------|----------------|----------------|
| Timing No. | 15 | 16 | 19 | |
| Originator | VESA | VESA | VESA | VESA |
| Mode Name | 1024/60Hz | 1024/70Hz | 1024/75Hz | 1360/60Hz |
| Resolution (HxV) | 1024x768 | 1024x768 | 1024x768 | 1360x768 |
| HORIZONTAL | | | | |
| Frequency | 48.363kHz | 56.476kHz | 60.023kHz | 47.712kHz |
| Total time | 20.677 μ s | 17.707 μ s | 16.660 μ s | 20.959 μ s |
| Activetime | 15.754 μ s | 13.653 μ s | 13.003 μ s | 15.906 μ s |
| Blank time | 4.923 μ s | 4.053 μ s | 3.777 μ s | 5.053 μ s |
| Border(L / R) | 0.000 μ s | 0.000 μ s | 0.000 μ s | 0.000 μ s |
| Data time | 15.754 μ s | 13.653 μ s | 13.003 μ s | 15.906 μ s |
| Front porch | 0.369 μ s | 0.320 μ s | 0.323 μ s | 0.749 μ s |
| Sync. width | 2.092 μ s | 1.813 μ s | 1.219 μ s | 1.702 μ s |
| Back porch | 2.462 μ s | 1.920 μ s | 2.235 μ s | 2.994 μ s |
| Sync. polarity | Negative | Negative | Positive | Positive |
| VERTICAL | | | | |
| Frequency | 60.004Hz | 70.069Hz | 75.029Hz | 60.015Hz |
| Total time | 16.666ms | 14.272ms | 13.328ms | 16.662ms |
| Active time | 15.880ms | 13.599ms | 12.795ms | 16.097ms |
| Blank time | 0.786ms | 0.672ms | 0.533ms | 0.566ms |
| Border(T / B) | 0.000ms | 0.000ms | 0.000ms | 0.000ms |
| Data time | 15.880ms | 13.599ms | 12.795ms | 16.097ms |
| Front porch | 0.062ms | 0.053ms | 0.017ms | 0.063ms |
| Sync. width | 0.124ms | 0.106ms | 0.050ms | 0.105ms |
| Back porch | 0.600ms | 0.513ms | 0.466ms | 0.377ms |
| Sync polarity | Negative | Negative | Positive | Positive |
| Dot Clock | 65.000MHz | 75.000MHz | 78.750MHz | 85.500MHz |
| Sync. Type | Separate | Separate | Separate | Separate |
| Scan Type | N/I | N/I | N/I | N/I |

2 Product Specifications

Memo

3 Disassembly and Reassembly

This section of the service manual describes the disassembly and reassembly procedures for the LE23A41B/LE26A41B/LE32A41B LCD TV.

⚠ WARNING: This monitor contains electrostatically sensitive devices. Use caution when handling these components.

3-1 LE23R51B Disassembly

⚠ Cautions: 1. Disconnect the monitor from the power source before disassembly.



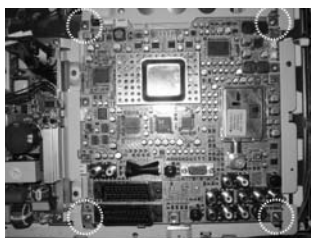
1. Place LCD TV face down on cushioned table. Remove 9 screws from the rear cover. Remove 4 screws from grip on the stand, and remove the stand.



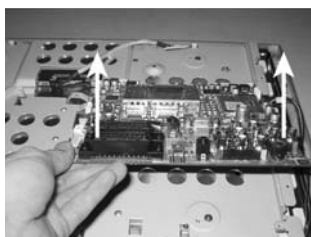
2. Remove the stand and lift up the rear cover.



3. Remove 3 screws and lift up the jack cover. Disconnect speaker cable, function cable from the board.

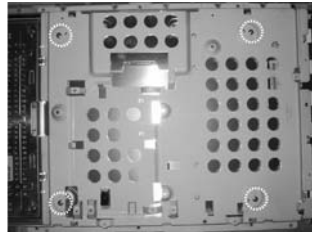
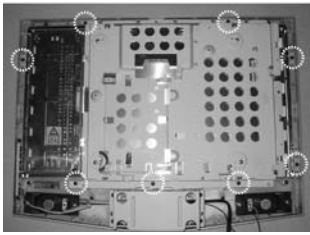


4. Remove 9 screws from the boards.

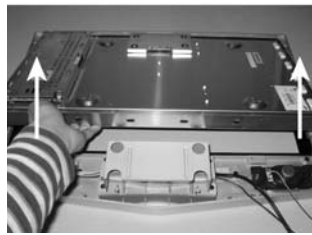
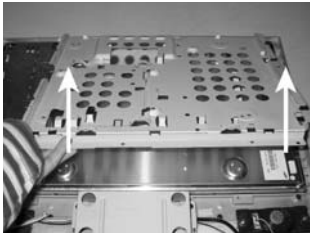


5. Lift up the Power board and Main board.

3 Disassembly and Reassembly



6. Remove 9 screws and Lift up the shield panel and remove 4 screws.



7. Lift up the shield cover and LCD panel.



3-2 LE26R51B, LE32R51B Disassembly



1. Place LCD TV face down on cushioned table. Remove 14 screws from the rear cover. Lift up the rear cover.



2. Remove 3 screws from the Jack cover. Remove 12 screws from The board.



3 Disassembly and Reassembly



4. Remove 11 screws from the shield, and lift up the shield.

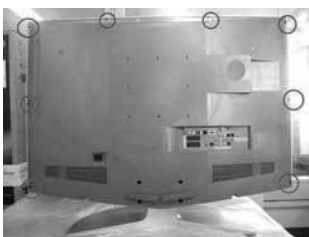


5. Remove 5 screws (Left :2/Right :3)

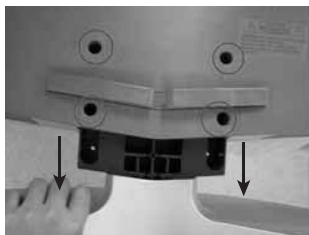


6. Lift up the BRKT.

3-3 LE40R51B Disassembly

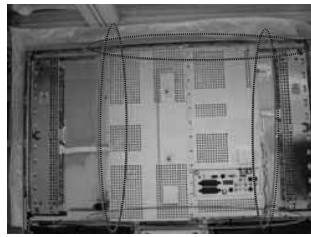
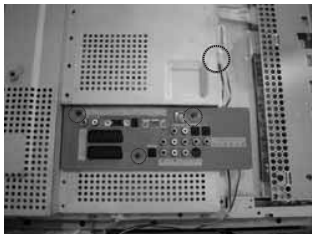


1. Remove 8 screws from rear cover.
Remove 4 screws from grip on the stand.

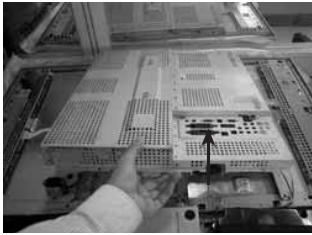


2. Remove the stand and lift up the rear cover

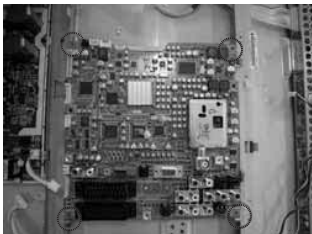
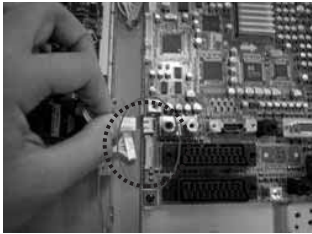
3 Disassembly and Reassembly



3. Disconnect speaker cable, function cable and Remove screws from the shield.



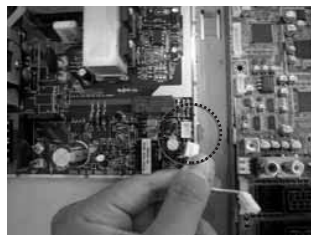
4. Disconnect Power Cables, LVDS Cable from the power board.



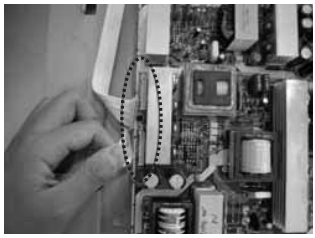
5. Remove 4screws from the Main board and lift up the board.



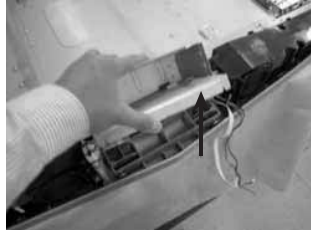
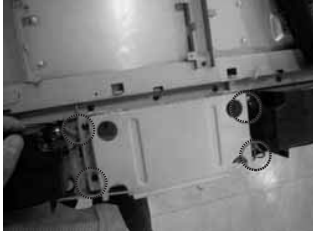
6. Remove 4 screws from the power board. Disconnect Cables.



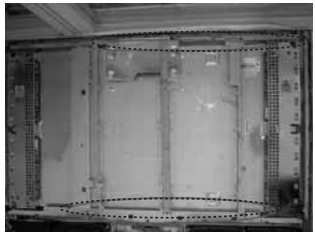
3 Disassembly and Reassembly



7. Disconnect inverter cable.
Lift up the power board.



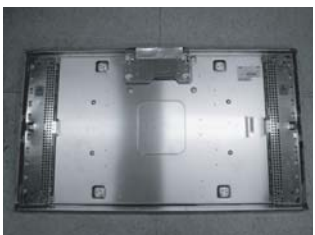
8. Remove screws.



9. Remove screws from the panel BRKT. Remove screws from the cabinet BRKT and lift up the panel Assy.



10. Lift up the panel, Remove screws from the panel BRKT(R/L).
Disconnect BRKT from the panel.



3-4 Reassembly

Reassembly procedures are in the reverse order of dissassembly procedures.

4 Alignments and Adjustments

4-1 General Alignment Instruction

1. Usually, a color TV-VCR needs only slight touch-up adjustment upon installation.
Check the basic characteristics such as height, horizontal and vertical sync.
2. Use the specified test equipment or its equivalent.
3. Correct impedance matching is essential.
4. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test result.
5. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
6. Do not attempt to connect or disconnect any wire while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
7. To protect against shock hazard, use an isolation transform.

4 Alignments and Adjustments

4-2 Factory Mode Adjustments

4-2-1 Entering Factory Mode

1. To enter "Service Mode" Press the remote -control keys in this sequence :

- If you do not have Factory remote - control



- If you have Factory remote - control



- The buttons are active in the service mode.

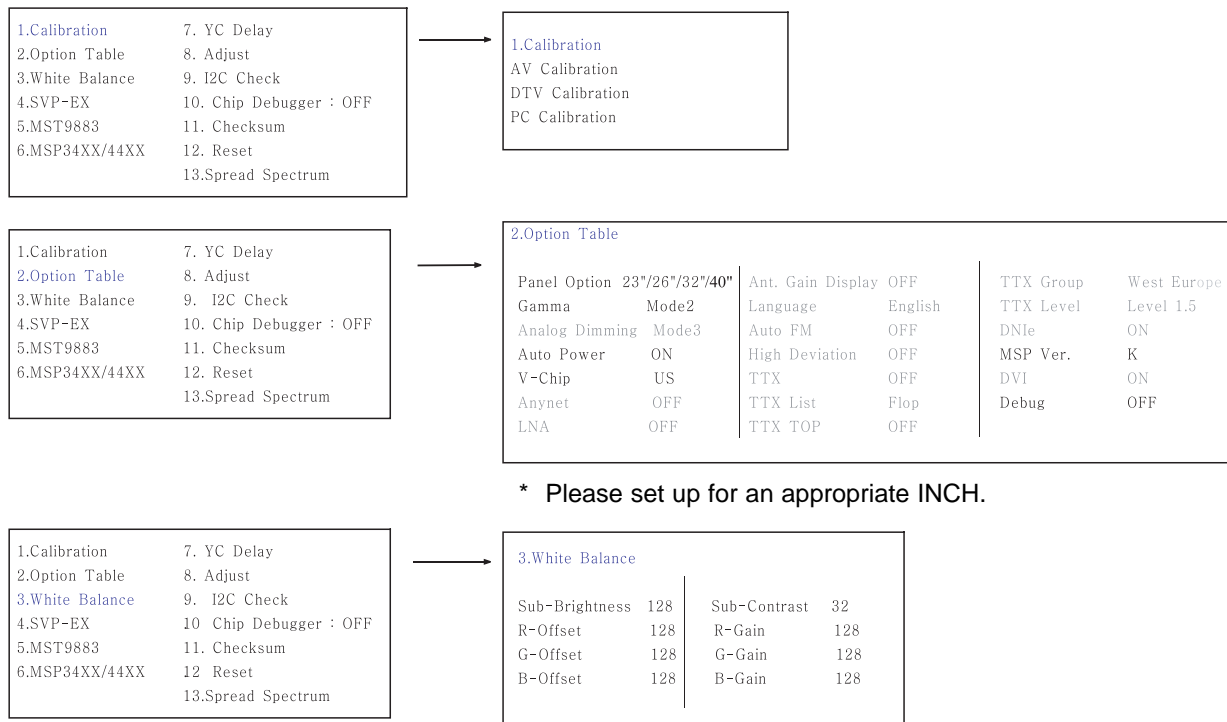
1. Remote - Control Key : Power, Arrow Up, Arrow Down, Arrow Left

Arrow Right, Menu, Enter, Number Key(0~9)

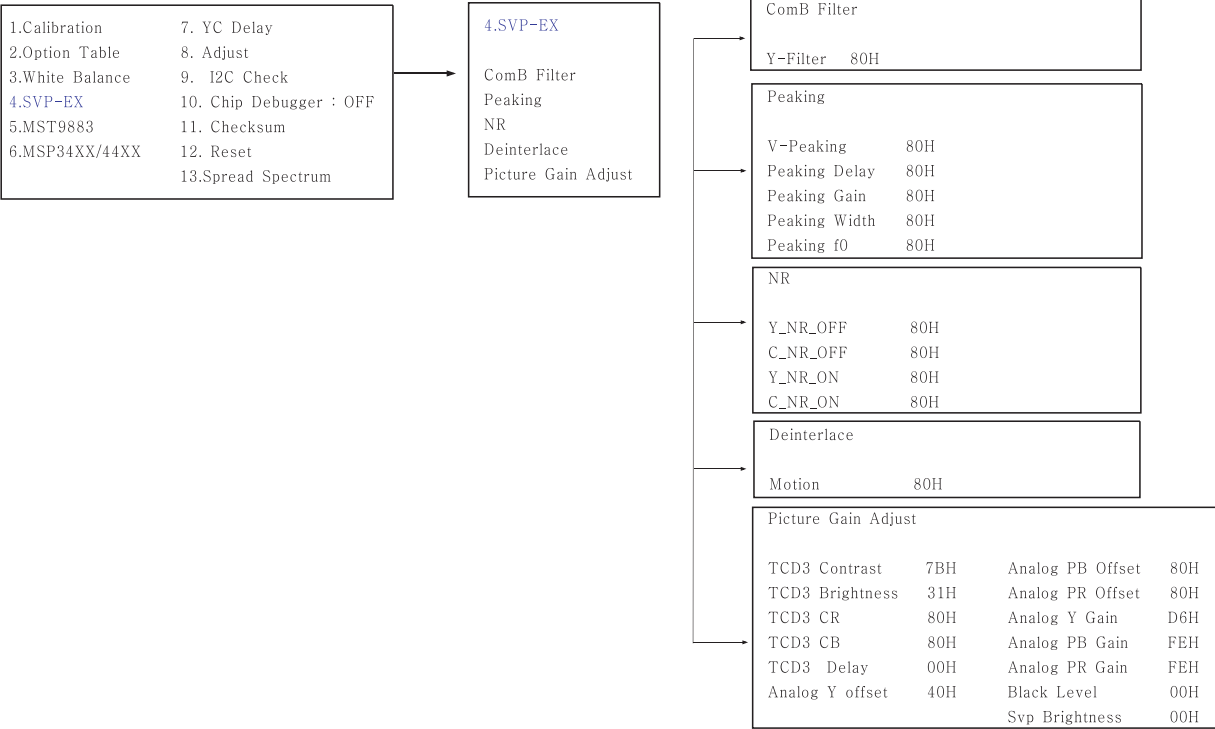
2. Function - Control Key : Power, CH +, CH -, VOL +, VOL -,

Menu, TV/VIDEO(Enter)

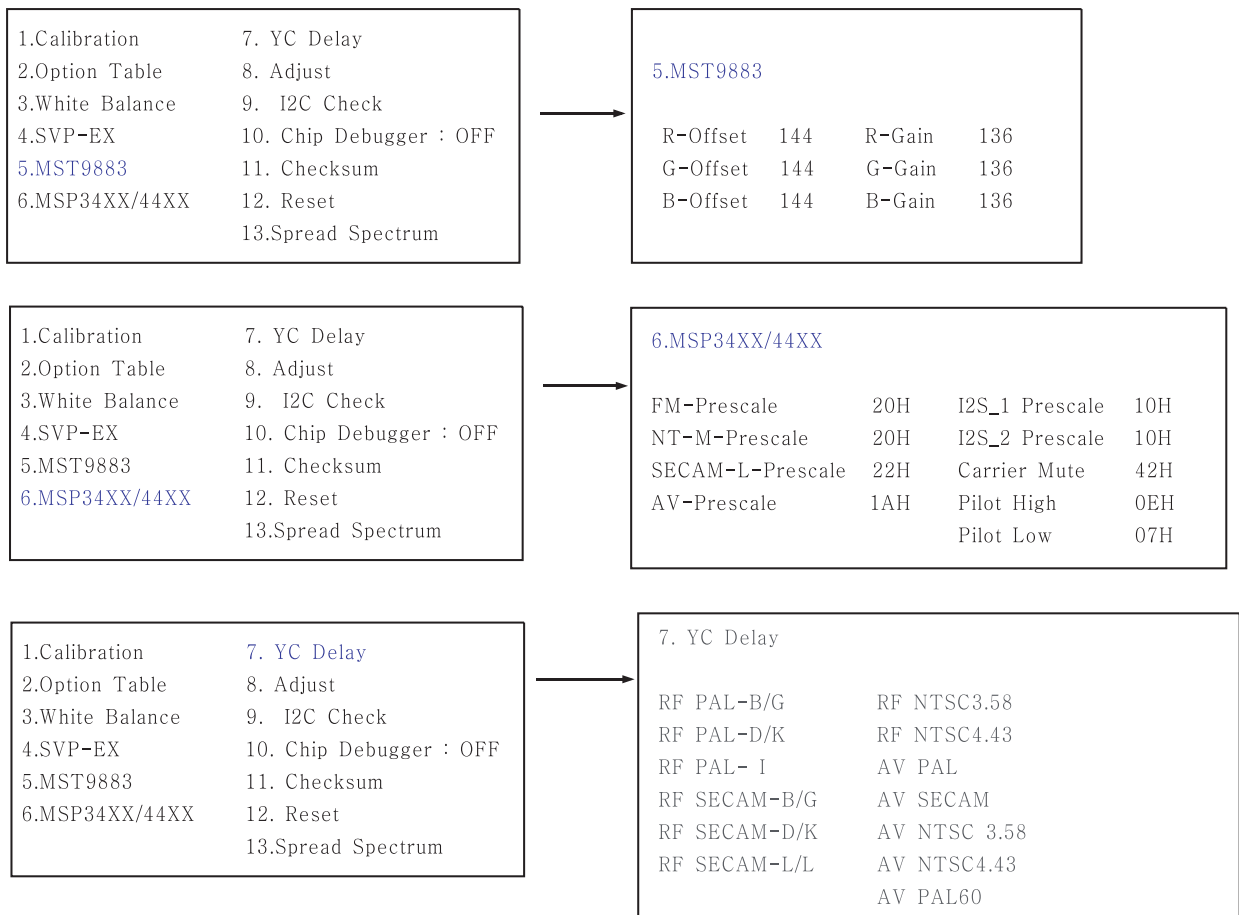
4-2-2 Factory Mode Tree



4 Alignments and Adjustments



4 Alignments and Adjustments

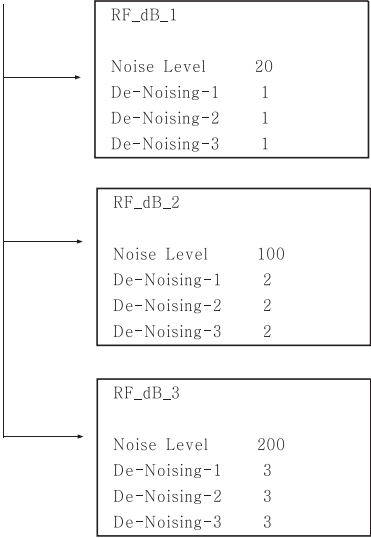


4 Alignments and Adjustments

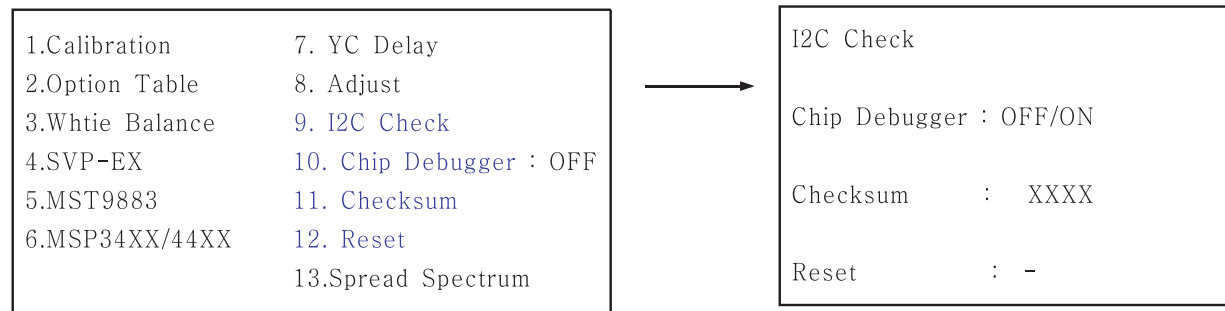
| | |
|-----------------|-------------------------|
| 1.Calibration | 7. YC Delay |
| 2.Option Table | 8. Adjust |
| 3.White Balance | 9. I2C Check |
| 4.SVP-EX | 10. Chip Debugger : OFF |
| 5.MST9883 | 11. Checksum |
| 6.MSP34XX/44XX | 12. Reset |
| | 13.Spread Spectrum |



| | | | | | |
|------------------|-----|---------------------|----|------------------|----|
| 8. Adjust | | | | | |
| Video Mute Time | 8 | Dynamic Color | 50 | Movie Brightness | 50 |
| Melody Volume | 5 | Dynamic Sharpness | 60 | Movie Color | 50 |
| Ana_Dimm_Max | FEH | Standard Contrast | 90 | Movie Sharpness | 40 |
| TTX Contrast | 50 | Standard Brightness | 80 | RF_dB_1 | 0 |
| TTX Brightness | 50 | Standard Color | 70 | RF_dB_2 | 0 |
| TTX Color | 50 | Standard Sharpness | 70 | RF_dB_3 | 0 |
| Dynamic Contrast | 100 | Movie Contrast | 60 | | |



4 Alignments and Adjustments



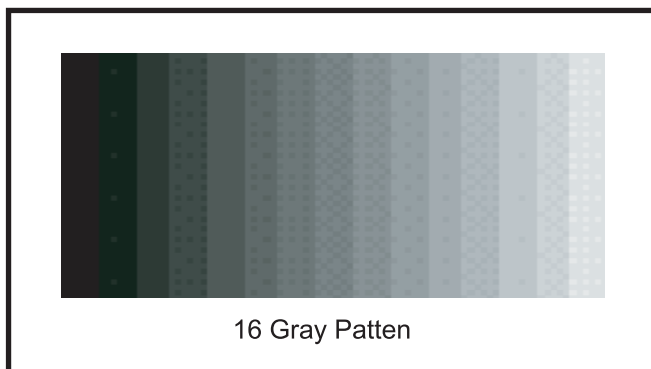
4-3-1 White Balance - Calibration

If picture color is wrong, do calibration first

Equipment : CA210, Pattern : 16 gray

Execute calibration in Factory Mode

Source AV : PAL composite, Component : 1280*720/60Hz
PC : 1024*768/60Hz



4-3-2 White Balance - Adjustment

If picture color is wrong, check White Balance condition

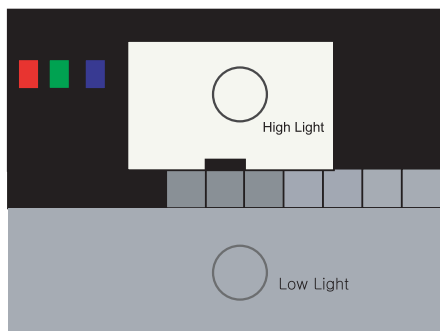
Equipment : CA210, Pattern : Toshiba

Adjust W/B in Factory Mode

Sub brightness and R/G/B Offset controls low light region

Sub contrast and R/G/B Gain controls high light region

Source AV : PAL composite, Component : 1280*720/60Hz
HDMI[DVI] : 1280*720/60Hz



[Test Pattern : MSPG-945 Series Pattern #16]

*Color temperature
1500K +/-500, -6 ~-20 MPCD

*Color coordinate
H/L : 267/263 +/- 2 35.0 Ft +/- 2.0Ft
L/L : 270/260 +/- 3 1.5 Ft +/- 0.2Ft

4 Alignments and Adjustments

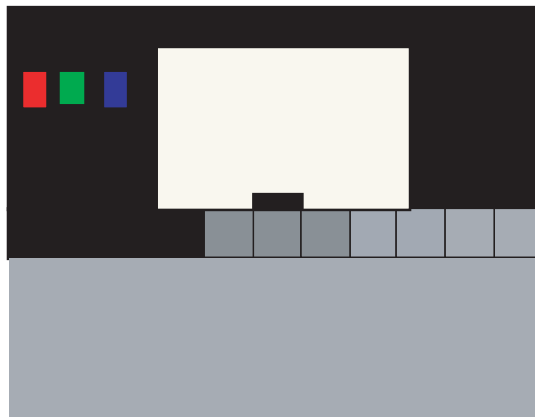
4-3-3 Conditions for Measurement

1. On the basis of toshiba ABL pattern : High Light level (57 IRE)
 - INPUT SIGNAL GENERATOR : MSPG-925LTH
 - * Mode NO 1 : 744X484@60 Hz
 - NO 6 : 1280X720@60 Hz
 - NO 21 : 1024X768@60 Hz
 - * Pattern NO 36 : 16 Color Pattern
 - NO 16 : Toshiba ABL Pattern
2. Optical measuring device : CA210 (FL)
Please use the MSPG-925 LTH generator for model LT26A33W.

4-3-4 Method of Adjustment

1. Adjust the basic level of DTV and PC input signals.
 - a) Set the input to the mode in which the adjustment will be made (DTV → PC).
 - * Input signal - DTV Mode : Model # 6 (1280* 720 Mode), Pattern # 36
 - PC Mode : Model # 21 (1024* 768 Mode), Pattern # 16 (Picture 4-1)
 - b) Enter factory Calibration, confirm the ADC data (DTV, PC Mode Only).
 - * ADC default value : Table 4-3.

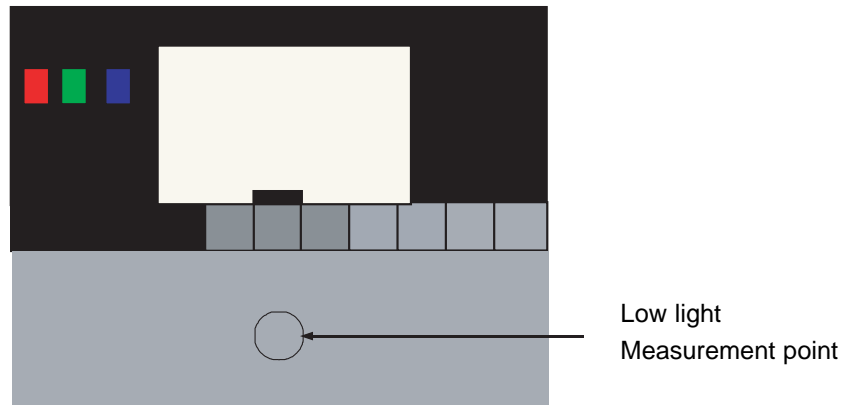
Picture 4-1 Toshiba ABL Pattern



2. Adjust the white balance of RF, DTV, PC and DVI Modes.
 - a) Set the input to the mode in which the adjustment will be made(RF → DTV → PC → DVI).
 - * Input signal - VIDEO Mode : Model # 1 (744* 484 Mode), Pattern # 16
 - DTV,DVI Mode : Model # 6 (1280* 720 Mode), Pattern # 16
 - PC Mode : Model # 21 (1024* 768 Mode), Pattern # 16
 - b) Enter factory color control, confirm the data.

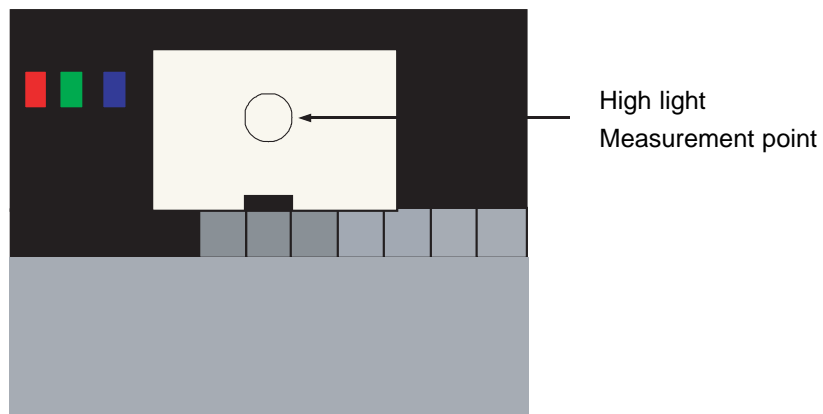
- c) Adjust the low light. (Refer to table 1, 2 in adjustment position by mode)
- Adjust sub - Brightness to set the ' Y' value.
 - Adjust red offset (' x') and blue offset (' y') to the color coordinates.
 - * Do not adjust green offset data.

Picture 4-2 Toshiba ABL Pattern



- d) Adjust the high light. (Refer to table 1, 2 in adjustment position by mode)
- Adjust red gain (' x') and blue gain (' y') to the color coordinates.
 - * Do not adjust the green gain and sub-contrast (Y) data.

Picture 4-3 Toshiba ABL Pattern



4 Alignments and Adjustments

4-4 Flash ROM Update

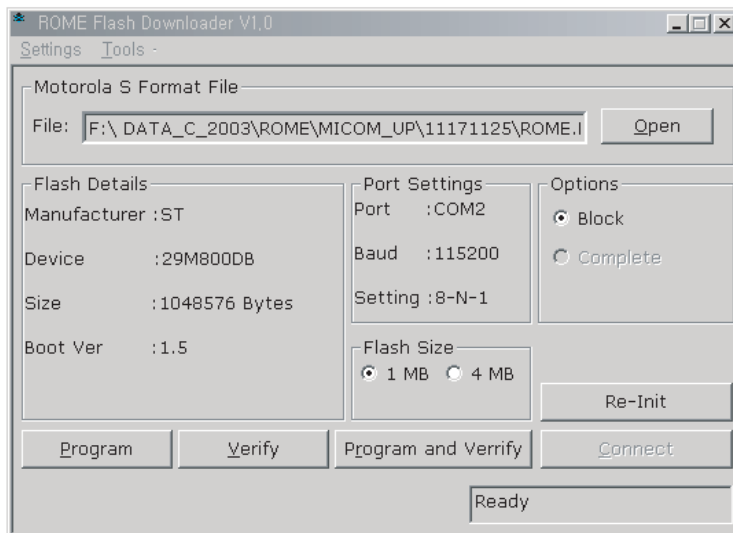
1. Install the Flash Downloader

Connect Set (Service Jack) and Jig Cable to execute Program Update.



2. Flash Downloader program update

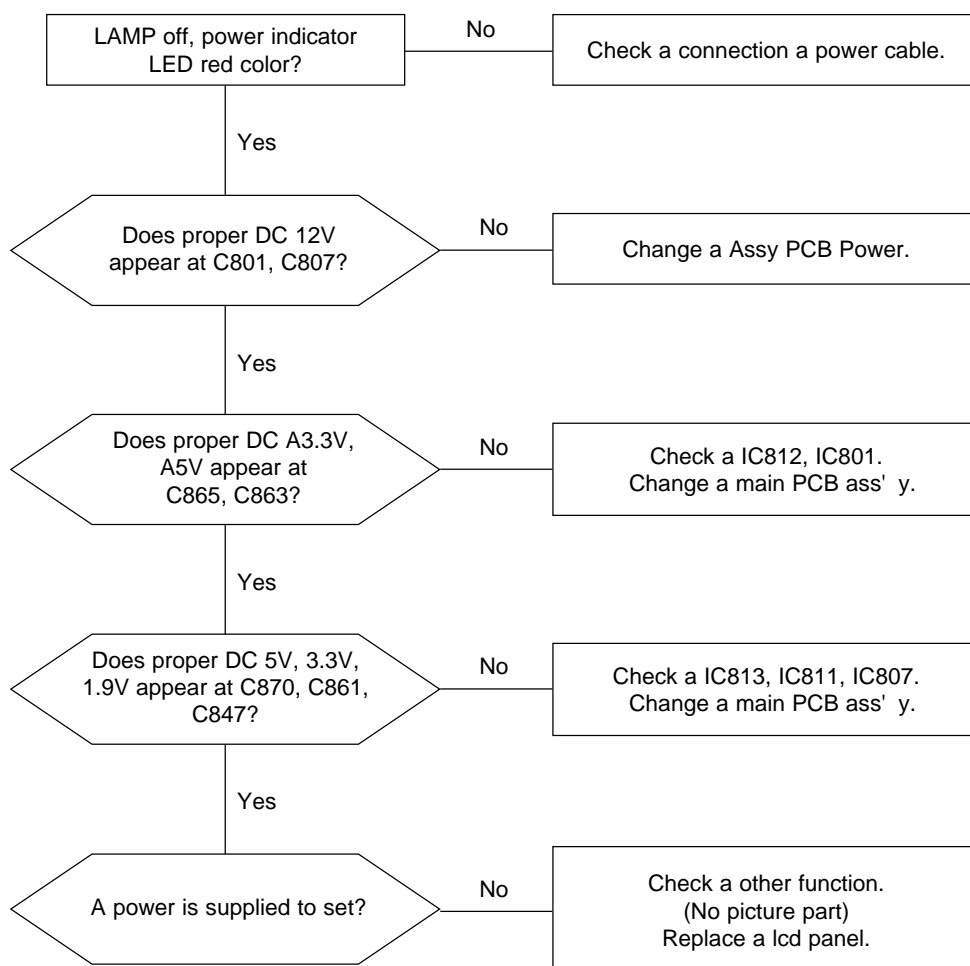
- Before Turning on the set, Click " connect" which is under of OSD Screen!
- Turn on the Set.



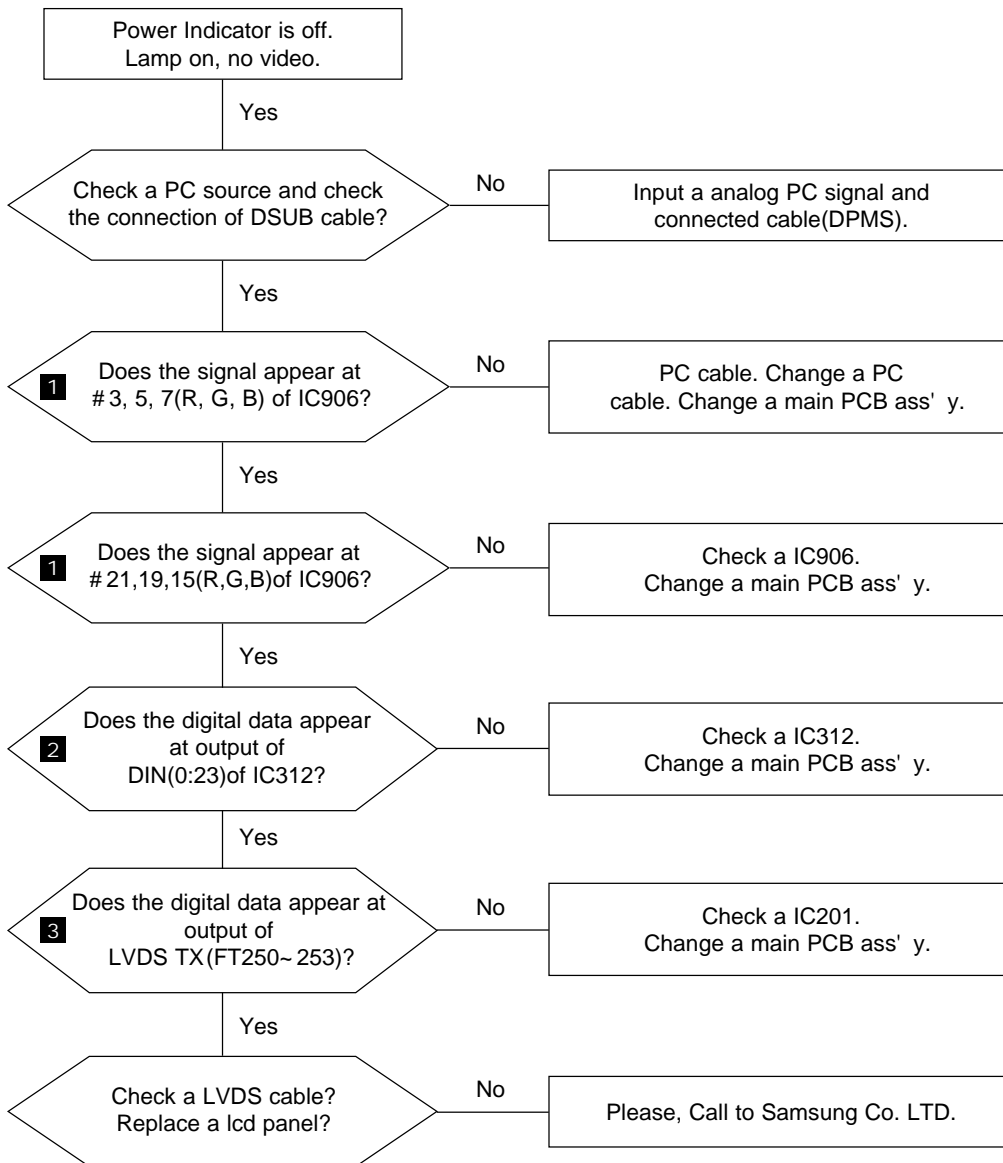
3. Open the New Update File and Click the Program and Verify.
4. Program update sledding is marked sequentially on OSD screen.
5. After program update completion, message should be pop up.

5 Troubleshooting

5-1 No Power

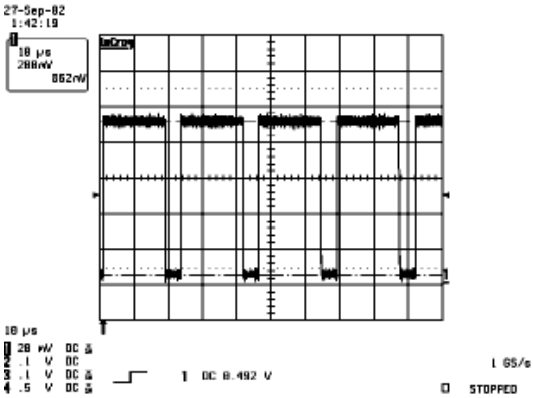


5-2 No Video (Analog PC Signal)

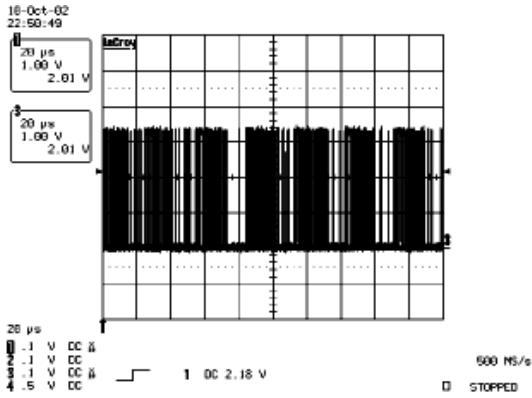


WAVEFORMS

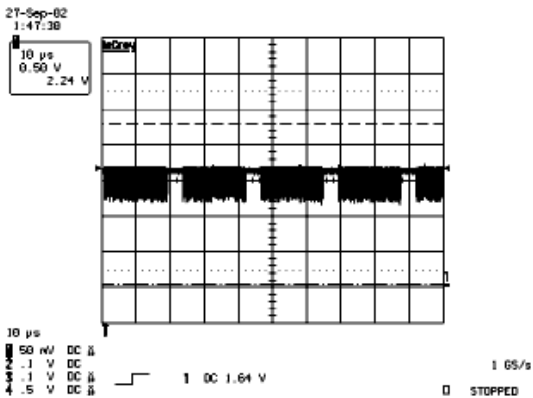
1 R,G,B Output Signal of IC906



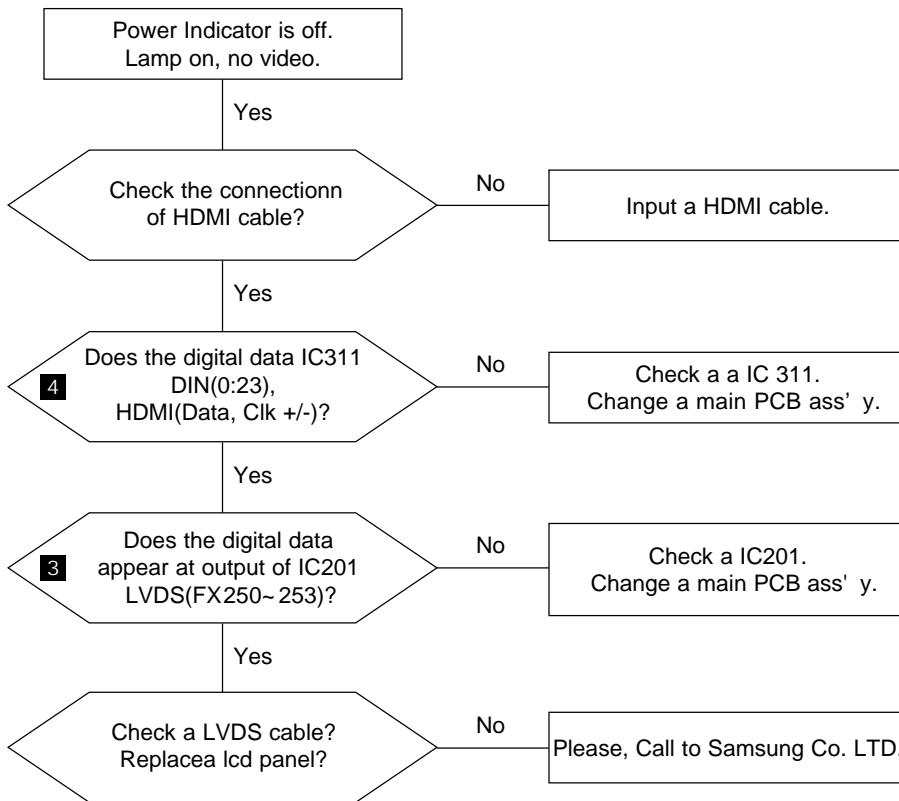
2 R,G,B Output Signal of IC312



3 Digital Output Data of IC201

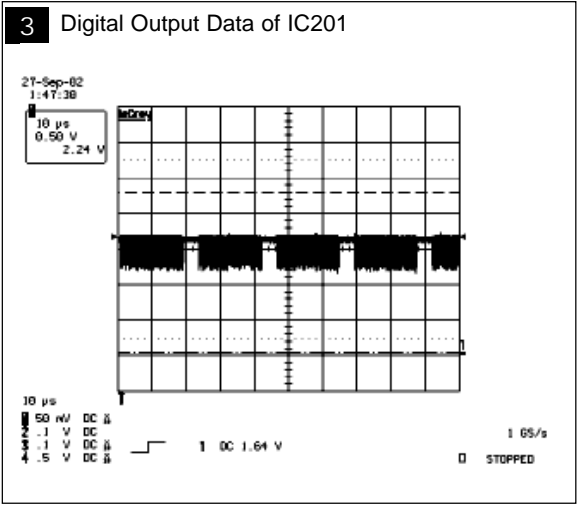


5-3 No Video (HDMI-Digital Signal)_EXECT 23'

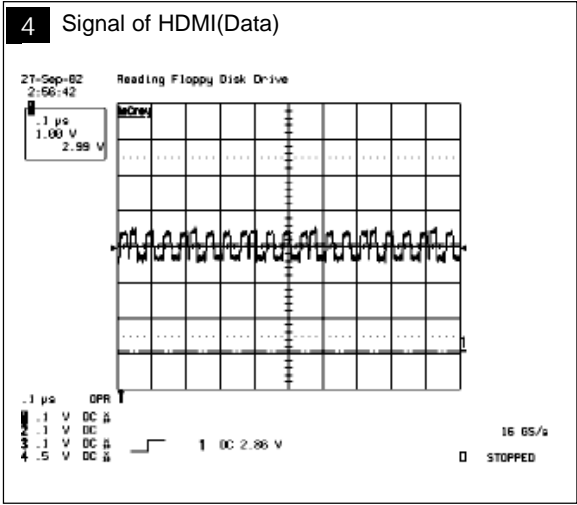


WAVEFORMS

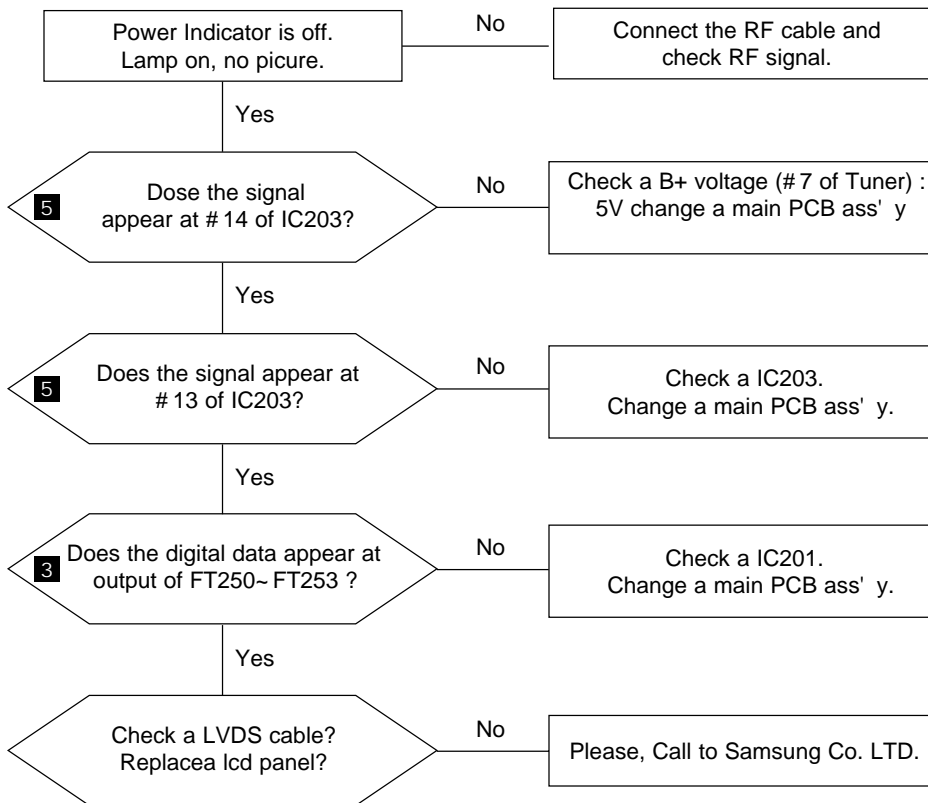
3 Digital Output Data of IC201



4 Signal of HDMI(Data)

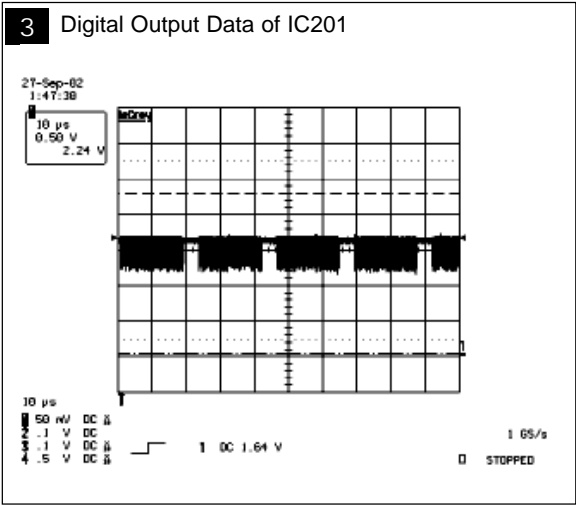


5-4 No Picture (Tuner_CVBS)

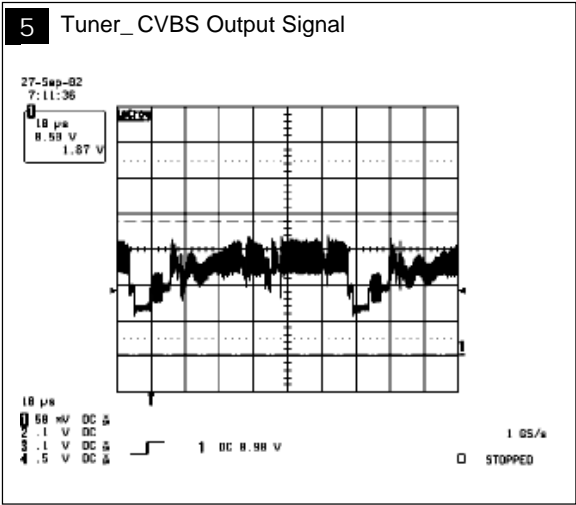


WAVEFORMS

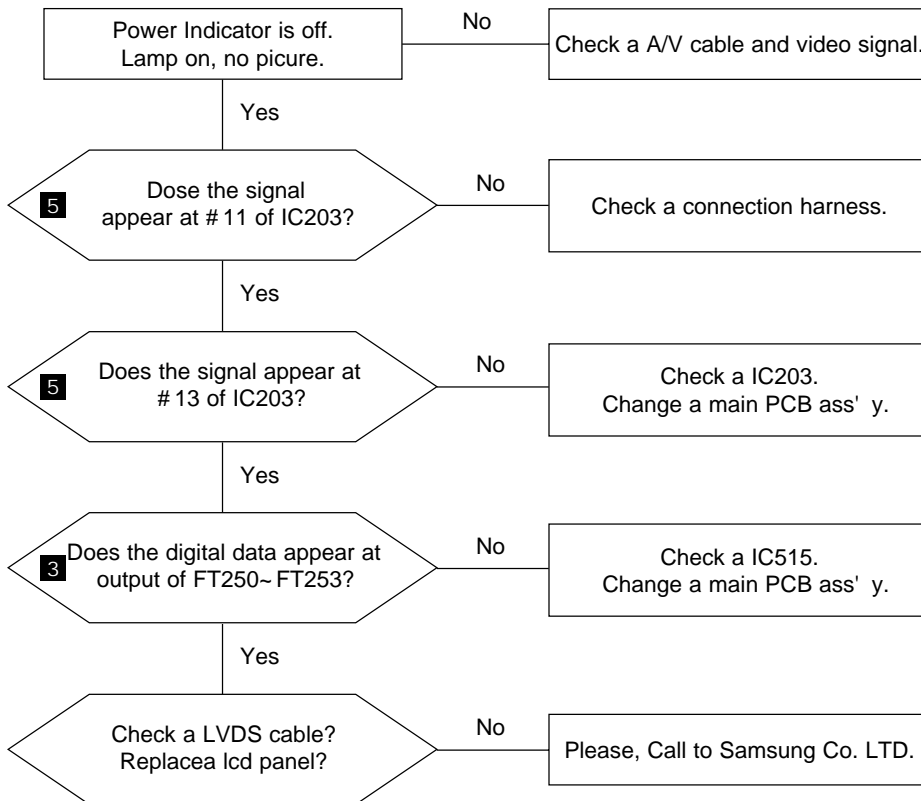
3 Digital Output Data of IC201



5 Tuner_CVBS Output Signal

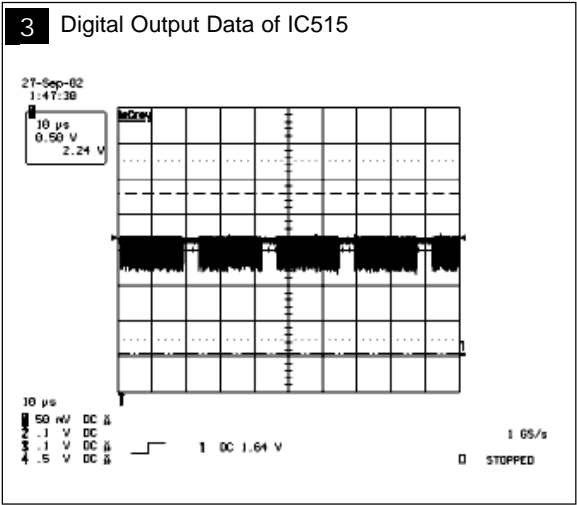


5-5 No Picture (Video_CVBS)

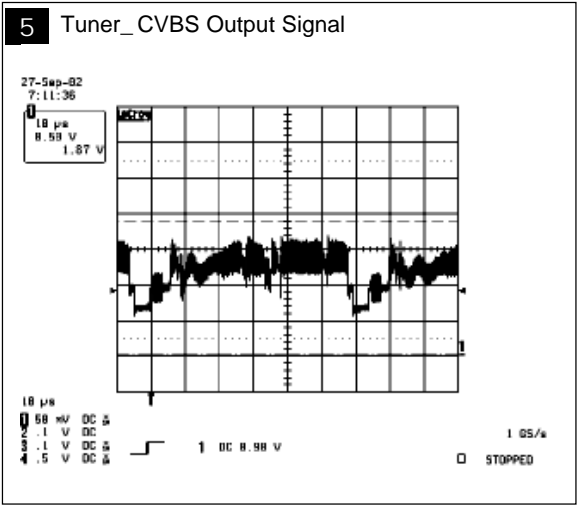


WAVEFORMS

3 Digital Output Data of IC515

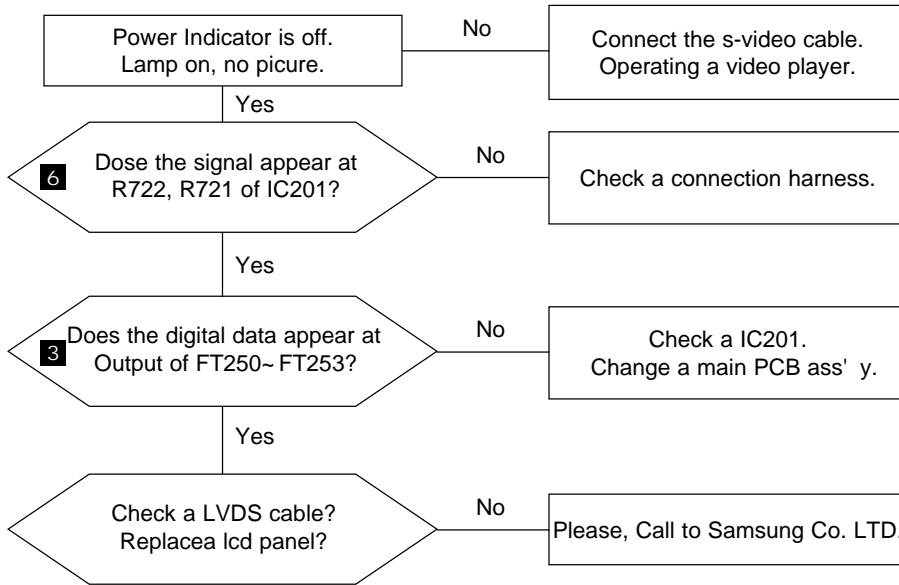


5 Tuner_CVBS Output Signal



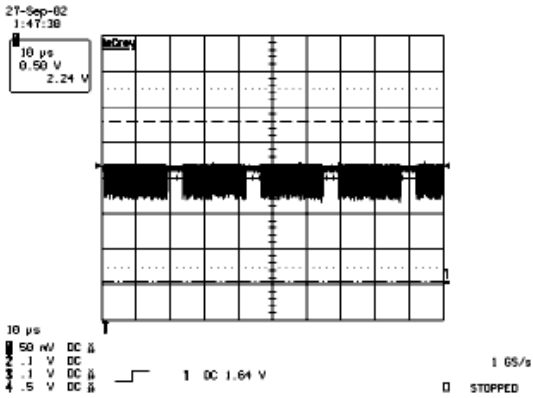
5 Troubleshooting

5-6 No Picture (S-VIDEO_Y,C)

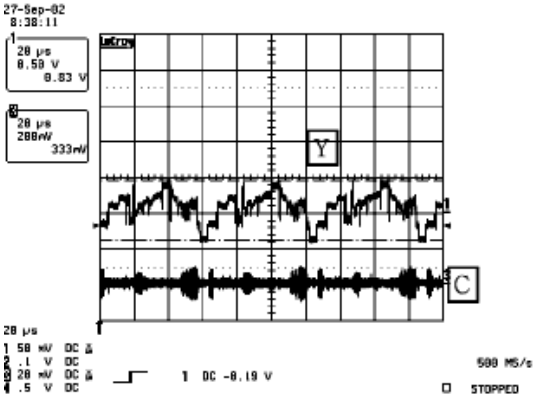


WAVEFORMS

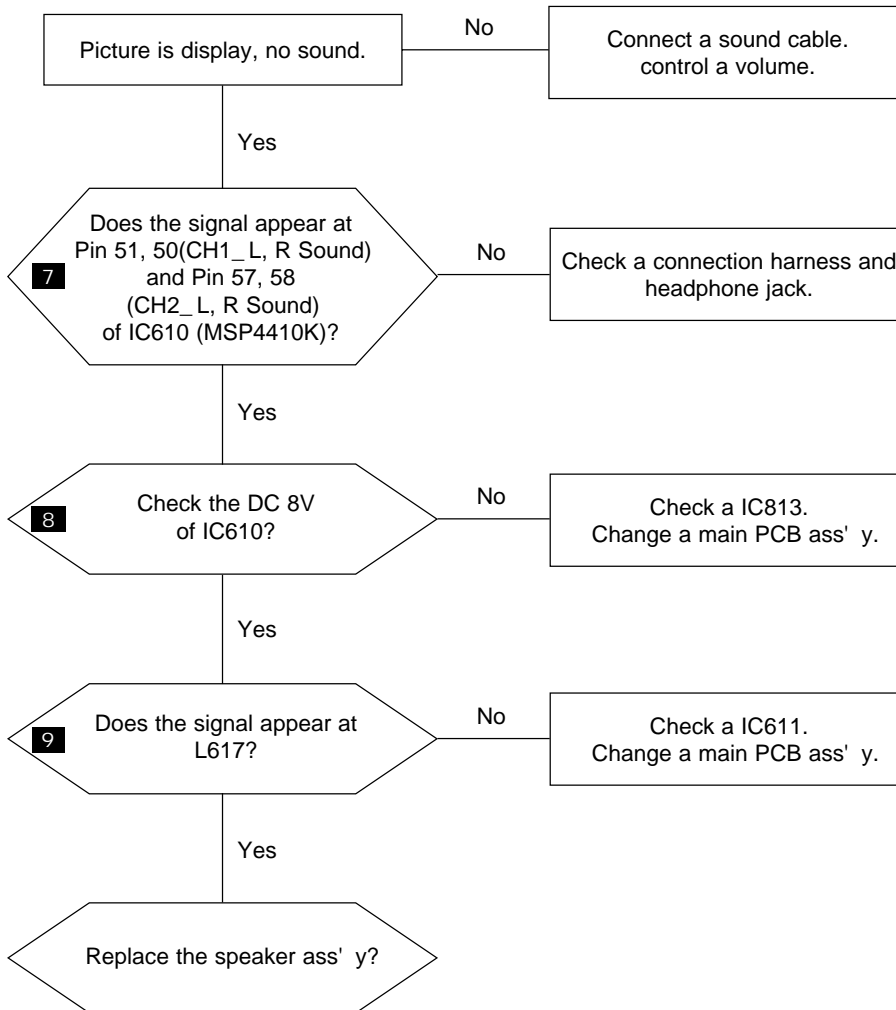
3 Digital Output Data of IC201



6 Analog Signal(Y,C) to IC201

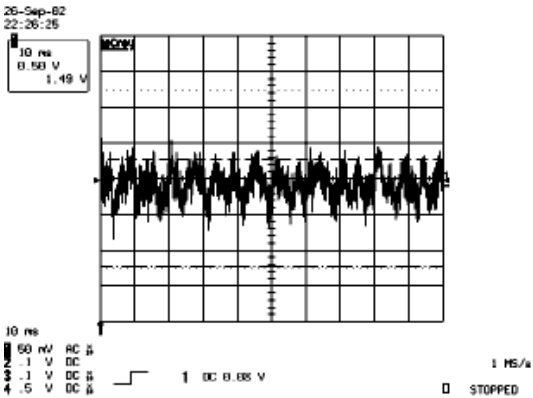


5-7 No Sound

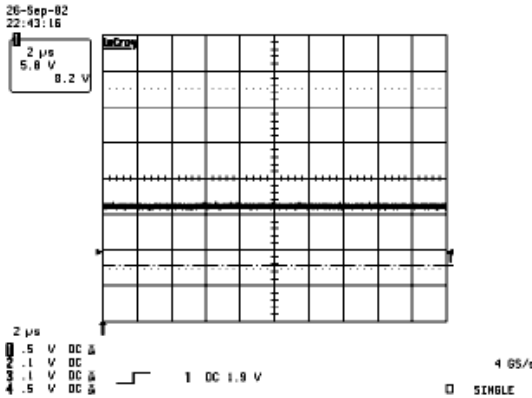


WAVEFORMS

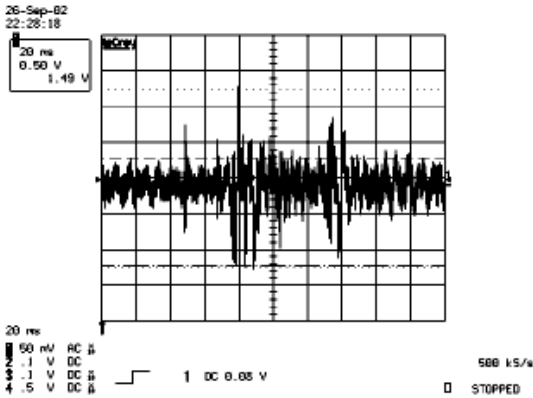
7 The Signal are Inputed to IC610



8 DC +8V



9 Output WaveForm



5 Troubleshooting

Memo

7 Electrical Parts List

-You can search for updated part codes through ITSELF web site.

URL : <http://itself.sec.samsung.co.kr/>

7-1 LE23R51B Main PCB Parts

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------------|-----------|-------------------|--|---------|
| ..1 | SPZ-LE23R51BX/XEC | | 1 | LTA230W1-L02 | - |
|3 | BN94-00629S | | ASSY PCB MAIN | NEW | SNA |
|4 | 0204-002420 | CIS3 | SOLVENT | 1M-1000,C3H7OH,96,-,- | SNA |
|4 | 0204-002426 | CIS4 | FLUX | DF-201TVS,MIX,0.820,FLUX 13%, 14KG,- | SNA |
|4 | 3701-001294 | J A751 | CONNECTOR-DSUB | 15P,3R,FEMALE,STRAIGHT,AUF | SA |
|4 | 3705-001331 | J A901 | CONNECTOR-COAXIAL | PAL ADAPTOR(J/I),-,75ohm,- | SA |
|4 | 3711-000024 | CN914 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,STRAIGHT,SN | SA |
|4 | 3711-000057 | CN802 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,ANGLE,SN | SA |
|4 | 3711-002642 | TEST1 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,STRAIGHT,SN | SA |
|4 | 3711-004068 | CN815 | CONNECTOR-HEADER | BOX,5P,1R,2MM,ANGLE,SN,WHT | SA |
|4 | 3711-004122 | CN801 | CONNECTOR-HEADER | BOX,14P,1R,2mm,STRAIGHT,SN | SA |
|4 | 3711-004484 | TEST4 | CONNECTOR-HEADER | BOX,5P,1R,2mm,STRAIGHT,SN | SA |
|4 | 3722-000498 | J A721_EU | J ACK-SCART | 21P,-,SN,BLK,NO | SA |
|4 | 3722-000498 | J A722_EU | J ACK-SCART | 21P,-,SN,BLK,NO | SA |
|4 | 3722-001061 | J A752 | J ACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
|4 | 3722-001061 | J A782 | J ACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
|4 | 3722-001061 | J A785 | J ACK-PHONE | 1P,3.6PI,AG,BLK,N | SA |
|4 | 3722-001734 | J A771 | J ACK-VHS | 4P,-,SN,BLK,- | SA |
|4 | 3722-001903 | J A714_EU | J ACK-PIN | 2P,-,AU,WHT/RED,- | SA |
|4 | 3722-001903 | J A784 | J ACK-PIN | 2P,-,AU,WHT/RED,- | SA |
|4 | 3722-001938 | J A715_EU | J ACK-PIN | 3P,-,AU,GRN/BLU/RED,- | SA |
|4 | 3722-002063 | J A761 | J ACK-PIN | 3P,AU,YEL/WHT/RED,STRAIGHT | SA |
|4 | BN40-00051A | TU110 | TUNER | TMQZ6-404C,PDP,NELSON,PAL B/G,PAL HYPER,38.9MHZ,2.5V,75 OHM,75 OHM,PHONE,ASYMM,5 | SA |
|4 | BN41-00545C | MP1.2 | PCB MAIN | ROME,4,MP1.2,1.6,195* 200,1 | SNA |
|4 | BN61-01521A | X701 | SUPPORT-PCB | ROME,SPTE,T0.5,L11.0 | SNA |
|4 | BN61-01521A | X702 | SUPPORT-PCB | ROME,SPTE,T0.5,L11.0 | SNA |
|4 | BN61-01521A | X703 | SUPPORT-PCB | ROME,SPTE,T0.5,L11.0 | SNA |
|4 | BN63-01847A | CIS7 | SHIELD-COVER | ROME,SECC,T0.3,49.5,79.5,HEIGHT 15 | SNA |
|4 | BN97-00513B | | ASSY SMD | ROME* | SNA |
|5 | 0401-001056 | D101 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D709_EU | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7102 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7103 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7104 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7105 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D710_EU | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7113 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D7114 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D711_EU | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D712_EU | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D719 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D722 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D741 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D742 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D950 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D951 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D952 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D953 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D954 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D955 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D956 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0401-001056 | D957 | DIODE-SWITCHING | MMBD4148SE,100V,200MA,SOT-23,TP | SA |
|5 | 0402-000553 | D812 | DIODE-RECTIFIER | SS24,40V,2.0A,DO-214AA | SA |
|5 | 0403-000258 | D617 | DIODE-ZENER | BZX84C5V6,5.2-6V,225MW,SOT-23,TP | SA |
|5 | 0403-000258 | D620 | DIODE-ZENER | BZX84C5V6,5.2-6V,225MW,SOT-23,TP | SA |
|5 | 0403-000258 | D621 | DIODE-ZENER | BZX84C5V6,5.2-6V,225MW,SOT-23,TP | SA |
|5 | 0403-000258 | D901 | DIODE-ZENER | BZX84C5V6,5.2-6V,225MW,SOT-23,TP | SA |
|5 | 0403-000579 | D726_EU | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
|5 | 0403-000579 | D727_EU | DIODE-ZENER | BZX84C5V1,4.8-5.4V,200MW,SOT-23,TP | SA |
|5 | 0403-000620 | D210 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D211 | DIODE-ZENER | RLZ5.6B,5.45-5.73V,500MW,LL-34,TP | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|------------------------------------|---------|
|5 | 0403-000620 | D212 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D213 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D214 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D215 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D216 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D217 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D300_DE | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D769 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D770 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D771 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D930 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D961 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D962 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D970 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D971 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D972 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D973 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D974 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D975 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D980_DE | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D981_DE | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-000620 | D990 | DIODE-ZENER | RLZ 5.6B,5.45-5.73V,500MW,LL-34,TP | SA |
|5 | 0403-001016 | D725 | DIODE-ZENER | RLZ 6.2B,5.96-6.27V,500mW,LL-34,TP | SA |
|5 | 0403-001052 | D701_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D702 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D703_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D704 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D705_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D706 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D707_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D708 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7108 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7109 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7110 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7111 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7112 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D713_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D714_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D715_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D716_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D717 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D718 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D720 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D721 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D723 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D724 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7301 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D743 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D744 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D745 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D746 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D748 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D750 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D751 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D752 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D753_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D754_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7551 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7552 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D7553 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D755_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D756 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D757_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D758 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D759 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D760_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D761 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D762_EU | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D763 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D764 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D765 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D766 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|-----------|---------------------|--|---------|
|5 | 0403-001052 | D767 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D772 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D773 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D774 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D775 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D776 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D777 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D778 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D779 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D780 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D781 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D782 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D958 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D959 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D960 | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D982_DE | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001052 | D983_DE | DIODE-ZENER | RD8.2MB,7.7-8.7V,200MW,SOT-23,TP | SA |
|5 | 0403-001425 | D102 | DIODE-ZENER | BZ84C33,31-35V,350MW,SOT-23,TP | SA |
|5 | 0406-001172 | D7302 | DIODE-TVS | CDS3C30GTH,48V,0W,SMD | SA |
|5 | 0406-001172 | D7303 | DIODE-TVS | CDS3C30GTH,48V,0W,SMD | SA |
|5 | 0406-001172 | D7304 | DIODE-TVS | CDS3C30GTH,48V,0W,SMD | SA |
|5 | 0406-001172 | D7305 | DIODE-TVS | CDS3C30GTH,48V,0W,SMD | SA |
|5 | 0407-000123 | D622 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0407-000123 | D911 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0407-000123 | D912 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0407-000123 | D963 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0407-000123 | D964 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0407-000123 | D976 | DIODE-ARRAY | DAN202K,80V,100MA,CA2-3,SOT-23,TP | SA |
|5 | 0501-000280 | Q1211_EU | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
|5 | 0501-000280 | Q214_EU | TR-SMALL SIGNAL | KSA1182,PNP,150mW,SOT-23,TP,70 | SA |
|5 | 0501-000342 | Q100 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q211 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q221 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q3004_EU | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q608 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q611 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q612 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q615 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q630 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q631 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q632 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q633 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q634 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q635 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q912_EU | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q918 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q930 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q931 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q952 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-000342 | Q970 | TR-SMALL SIGNAL | KSC1623-Y,NPN,200mW,SOT-23,TP,135-270 | SA |
|5 | 0501-002080 | Q1210_EU | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q1212_EU | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q212_EU | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q213_EU | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q215 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q216 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q610 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q620 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q801 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q802 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q803 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q910 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0501-002080 | Q911 | TR-SMALL SIGNAL | 2SC2412K,NPN,200mW,SC-59,TP,120-270 | SA |
|5 | 0801-002267 | IC3010_EU | IC-CMOS LOGIC | 74LCX14,-,SOIC,14P,150MIL,-,TP,-,-,3.6V,-40TO+85C,-,5.5V,-,-,24MA | SA |
|5 | 0801-002267 | IC904 | IC-CMOS LOGIC | 74LCX14,-,SOIC,14P,150MIL,-,TP,-,-,3.6V,-40TO+85C,-,5.5V,-,-,24MA | SA |
|5 | 0801-002633 | IC313 | IC-CMOS LOGIC | NCT7BD3125,2BIT BUS SWITCH,SOIC,8P,90MIL,DOUBLE,TP,PLASTIC,TTL,-,0V,-40TO+85C,25 | SA |
|5 | 0903-001362 | IC901 | IC-MICROCOMPUTER | M30620SPGP,16BIT,LQFP,100P,14.0X14.0,24MHZ,TP,-,-,5V,300,-20TO+85C,10KB,-,19BIT, | SNA |
|5 | 1001-000164 | IC605 | IC-ANALOG MULTIPLEX | 74HC4052,CMOS,SOP,16P,150MIL,S | SA |
|5 | 1001-001082 | IC906_EU | IC-VIDEO SWITCH | BA7657F,-,SOP,24P,300MIL,SINGL | SA |
|5 | 1001-001109 | IC909_EU | IC-ANALOG SWITCH | FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-40TO+85C,PLASTIC,-,4.0OHM,5. | SA |
|5 | 1001-001109 | IC913 | IC-ANALOG SWITCH | FST3125M,BUS SWITCH & CMOS,SOIC,17P,150MIL,QUAD,7V,-40TO+85C,PLASTIC,-,4.0OHM,5. | SA |
|5 | 1001-001211 | IC203 | IC-ANALOG MULTIPLEX | MM74HC4052MTC,DUALMUX/4-CHANNEL,TSSOP,16P,173MIL,DUAL,4-CHANNEL,6V,-40TO+85C,PLA | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|---------------------|--|---------|
|5 | 1002-001398 | IC312 | IC-A/D CONVERTER | MST9883CR-110,24Bit(8x3),LQFP,80P,14x14mm,+0.5/LSB,TR,-,PLASTIC,3.3V,-20to+80C, | SA |
|5 | 1006-001076 | IC931 | IC-DRIVER/RECEIVER | MAX232ECWE+T,SOP,16P,300MIL,DUAL,ST,PLASTIC,6V,-,0to+70C,762mW,2,-,2.0.4/3.5V,- | SA |
|5 | 1103-000129 | IC710 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C | SA |
|5 | 1103-000129 | IC712 | IC-EEPROM | 24C02,256x8,SOP,8P,5x4mm,4.5/5.5V,0to+70C | SA |
|5 | 1103-001279 | IC910 | IC-EEPROM | 24C32,4Kx8,SOP,8P,5x4mm,2.5/5.5V,-40to+85C | SA |
|5 | 1105-001538 | IC202 | IC-DRAM | K4D263238E-GC36,4x1Mx32Bit,FBGA,144P,12x12mm,3.6nS,2.5V,5%,-,55to+150C,770mA,-, | SNA |
|5 | 1201-000166 | IC204 | IC-OP AMP | LM358,SOP,ST,8P,150MIL,DUAL,100V/MV,PLASTIC,32V,500MW,0TO+70C,70DB,0.6V/US,5NA,- | SA |
|5 | 1201-001495 | IC615 | IC-AUDIO AMP | 7050,SOP,8P,150MIL,DUAL,26DB,PLASTIC,6V,0.25W,-,40DB,-,20NA,- | SA |
|5 | 1201-002119 | IC611 | IC-AUDIO AMP | TPA3004D2,HTQFP,48P,7x7mm,-,PLASTIC,18V,4.3W,-40to+85C,-,120mA,-,TR | SA |
|5 | 1203-001109 | IC616 | IC-VOL. DETECTOR | 7045,SOT-89,3P,-,PLASTIC,4.3/4 | SA |
|5 | 1203-001559 | IC905 | IC-RESET | DS1834A,SOIC,8P,150MIL,PLASTIC,-,40to+85C,-,TP | SA |
|5 | 1203-001815 | IC803 | IC-POS.FIXED REG. | 78M09,TO-252,3P,-,PLASTIC,8.6/9.4V,1.0W,-40TO+85C,0.5A,-,TP | SA |
|5 | 1203-001816 | IC802 | IC-POS.FIXED REG. | 78M08,TO-252,3P,-,PLASTIC,7.7/8.3V,1.0W,-40TO+85C,0.5A,-,TP | SA |
|5 | 1203-001824 | IC920 | IC-VOL. DETECTOR | 7042,SOT-89,3P,-,PLASTIC,4.05V/4.35V,500MW,-30TO+75C,20MA,-,TP | SA |
|5 | 1203-002708 | IC3011 | IC-POS.FIXED REG. | 1085,TO-263,3P,340MIL,PLASTIC,3.27/3.33V,-,40TO+125C,3A,-,TP | SA |
|5 | 1203-002842 | IC811 | IC-POS.FIXED REG. | AP1117D-33A,TO-252,3P,6.7X5.6MM,PLASTIC,3.235/3.365V,-,0TO+150C,1A,-,TP | SA |
|5 | 1203-002842 | IC812 | IC-POS.FIXED REG. | AP1117D-33A,TO-252,3P,6.7X5.6MM,PLASTIC,3.235/3.365V,-,0TO+150C,1A,-,TP | SA |
|5 | 1203-002844 | IC814 | IC-POS.FIXED REG. | AP1117D-18A,TO-252-3L,3P,6.7X5.6MM,PLASTIC,1.764/1.836V,-,0TO+150C,1A,-,TP | SA |
|5 | 1203-002855 | IC801 | IC-POS.FIXED REG. | MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V | SA |
|5 | 1203-002855 | IC804 | IC-POS.FIXED REG. | MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V | SA |
|5 | 1203-002855 | IC813 | IC-POS.FIXED REG. | MC33269DTRK-5.0,DPRK,3P,257MIL,PLASTIC,4.95/5.05V,-,40to+150C,800mA,1.235/1.265V | SA |
|5 | 1203-002974 | IC808 | IC-POS.FIXED REG. | AP1117D-25A,TO-252,3P,6.7x5.6mm,PLASTIC,2.45/2.55V,-,0to+150C,1A,-,TP | SA |
|5 | 1203-003059 | IC807 | IC-SWITCH VOL. REG. | MP1583,SOIC,8P,4.9x3.9mm,PLASTIC,1.22/21V,-,40to+85C,3A,1.194/1.25V,TP | SA |
|5 | 1204-002352 | IC201 | IC-VIDEO PROCESS | SVP-EX52-7052,PQFP,256P,28x28mm,PLASTIC,3.45V,-,0to+70C,TR,3D Comb VideoDecoder | SA |
|5 | 1204-002411 | IC610 | IC-SOUND PROCESSOR | MSP4410K-QA-B3-500,PQFP,80P,20x14mm,PLASTIC,8.7V,1W,0to+70C,TR,IC-AUDIO PROCESSO | SA |
|5 | 1205-002383 | IC311 | IC-RECEIVER | SI19993CT100,TQFP,100P,14x14mm,PLASTIC,3.6V,-,0to+70C,TR,IC-RECEIVER | SA |
|5 | 2007-000043 | R229 | R-CHIP | 1Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000043 | R230 | R-CHIP | 1Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R2357 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R919 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R9401 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R9405 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R9407_EU | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R963 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R964 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R965 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R966 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R9661 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000052 | R9662 | R-CHIP | 10Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000060 | R121 | R-CHIP | 100Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | Z3_ | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | EO_ | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R2008_OP | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R207 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R214 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R215_OP | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R216 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R221 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R222 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R223 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R226 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R227 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R228 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R236 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R237 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R239 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R240 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R241 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R245 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R247 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R248 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R280 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R281 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R282 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R283 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R3261_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R331 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R332 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R333 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R375 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R378 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R380_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|------------------------|---------|
|5 | 2007-000070 | R381_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R640 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R645 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R646 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R650 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R651 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R652 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R655 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R681 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R686 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R688 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R717_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R718_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R7602_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R7608 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R7618_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R7716_EU | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R772 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9124 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9125 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9129 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R918 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9207 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9209 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9215 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9217 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9218 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9330 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R934 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R935 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9403 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R960 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9664 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R9665 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R994 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R995 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R996 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000070 | R997 | R-CHIP | 0ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R201 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R2013 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R2015 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R202 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R203 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R206 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R208 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R209 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R210 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R212 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R337 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R340 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R345 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R754 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R758 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000071 | R9673 | R-CHIP | 22ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R100 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R101 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R347 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R349 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R350 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R351 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R616 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R617 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R761 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R7610 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R7611 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R762 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R782 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R783 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R982 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R983 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R984 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000072 | R985 | R-CHIP | 47ohm,5%,1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|-------------------------|---------|
|5 | 2007-000072 | R986 | R-CHIP | 47ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R102 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R104 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R1245_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R234 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R2344 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R2345 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R235 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R252_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R260 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R261 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R270 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R271 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R272 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R273 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R3159_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R334 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R613 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R614 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R618 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R628 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R629 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R630 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R631 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7111_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7120 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R719_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R738 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R745 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7488 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7490 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R757 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7590 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7613 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7614 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7619 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R7630 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R781 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9110_EU | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9119 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9120 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9122 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9123 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R932 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R936 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R937 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R940 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R941 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R953 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R954 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R955 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R962 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9668 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R9669 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R967 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R968 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R969 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R974 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R975 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R976 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R990 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R991 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R992 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000074 | R993 | R-CHIP | 100ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000075 | R711_EU | R-CHIP | 220ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000075 | R713_EU | R-CHIP | 220ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000075 | R747_EU | R-CHIP | 220ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000075 | R749_EU | R-CHIP | 220ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000076 | R190 | R-CHIP | 330ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000077 | R1246 | R-CHIP | 470ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000077 | R1267_EU | R-CHIP | 470ohm,5%/1/10W,TP,1608 | SA |
|5 | 2007-000077 | R1268_EU | R-CHIP | 470ohm,5%/1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|--------------------------|---------|
|5 | 2007-000077 | R2358 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R251_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R253_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R254_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R355 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R356 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R357 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R712_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R748_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R750_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R7582 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R7585_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R7588 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R7616_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R7617_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R765 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R766 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R793 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R794 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R9108_EU | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000077 | R9663 | R-CHIP | 470ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R131_OP | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R211 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R258 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R259 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R323 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R3260_EU | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R615 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R6402 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R6404 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R692 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R696 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R767 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R9104_EU | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R924 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R931 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R9666 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000078 | R9667 | R-CHIP | 1Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000079 | R204 | R-CHIP | 1.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000079 | R205 | R-CHIP | 1.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000080 | R693 | R-CHIP | 2Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R224 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R242 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R244 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R338 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R925 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R926 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R927 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R928 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R938 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R939 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R945 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R946 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R9671 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000082 | R9672 | R-CHIP | 3.3Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R225 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R2356 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R238 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R256 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R257 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R321 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R336 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R339 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R342 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R343 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R619 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R632 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R657 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R810 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9109_EU | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9118 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9132 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|--------------------------|---------|
|5 | 2007-000084 | R917 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9187 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9213 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9222 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9224 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9231 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9232 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9234 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9235 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9238 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R929 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9332 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9334_EU | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9335 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9336 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9402 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R942 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R943 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R944 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R9670 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R988 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000084 | R989 | R-CHIP | 4.7Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000087 | R626_OP | R-CHIP | 6.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000087 | R627_OP | R-CHIP | 6.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000087 | R714_EU | R-CHIP | 6.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000087 | R743_EU | R-CHIP | 6.8Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R233 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R620 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R623 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R639 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R641 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R642 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R649 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R690 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R691 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R759 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R760 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R7609 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R7612 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R763 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R802 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R803 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R804 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R805 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R812 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R8877 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R901 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R907_EU | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R913 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R9131 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R9133 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R9135 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R9211 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000090 | R957 | R-CHIP | 10Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000091 | R679 | R-CHIP | 12Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000091 | R860 | R-CHIP | 12Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000093 | R621 | R-CHIP | 20Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000093 | R622 | R-CHIP | 20Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000094 | R191 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000094 | R9337 | R-CHIP | 22Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000096 | R1270_EU | R-CHIP | 30Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000096 | R249_EU | R-CHIP | 30Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R110 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R111 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R633 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R634 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R635 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R638 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R795 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R796 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R797 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000097 | R798 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|--------------------------|---------|
|5 | 2007-000097 | R9114 | R-CHIP | 47Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R601 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R602 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R603 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R604 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R605 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R606 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R607 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R608 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R609 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R610 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R611 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R612 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R670 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R671 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R672 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000100 | R673 | R-CHIP | 68Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R175 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R310_EU | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R636 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R637 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R801 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R806 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R861 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000102 | R9675 | R-CHIP | 100Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000103 | R653 | R-CHIP | 120Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000106 | R105 | R-CHIP | 220Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000106 | R120 | R-CHIP | 220Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000120 | R1260_EU | R-CHIP | 680ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000120 | R255_EU | R-CHIP | 680ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R811 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9111 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9112 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9113 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9115 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9116 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000123 | R9117 | R-CHIP | 1.5Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000125 | R335 | R-CHIP | 3.9Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000129 | R647 | R-CHIP | 27Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R1271_EU | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R250_EU | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R262 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R263 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R264 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R265 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R266 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R267 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R268 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R269 | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R643_OP | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000134 | R644_OP | R-CHIP | 33Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000293 | R7132 | R-CHIP | 100ohm,5%,1/4W,TP,3216 | SA |
|5 | 2007-000293 | R7133 | R-CHIP | 100ohm,5%,1/4W,TP,3216 | SA |
|5 | 2007-000293 | R7134 | R-CHIP | 100ohm,5%,1/4W,TP,3216 | SA |
|5 | 2007-000293 | R721 | R-CHIP | 100ohm,5%,1/4W,TP,3216 | SA |
|5 | 2007-000293 | R722 | R-CHIP | 100ohm,5%,1/4W,TP,3216 | SA |
|5 | 2007-000309 | R3111 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7309 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7310 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7311 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7312 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7313 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7314 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7315 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R7316 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R900_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R902_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R903_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R904_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R905_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R906_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R908_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|----------------------------------|---------|
|5 | 2007-000309 | R909_EU | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9100 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9101 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9102 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9103 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9105 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9106 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9128 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9331 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9501_OP | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R9502_OP | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R951 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R952 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R956 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R970 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R971 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R972 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R973 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R977 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R978 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R979 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R981 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R998 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | R999 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000309 | RA920 | R-CHIP | 10ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000458 | R694 | R-CHIP | 18Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000458 | R715_EU | R-CHIP | 18Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000458 | R746 | R-CHIP | 18Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000458 | R920 | R-CHIP | 18Kohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000779 | R328 | R-CHIP | 33ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000779 | R330 | R-CHIP | 33ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000821 | R327 | R-CHIP | 390ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-000882 | R624 | R-CHIP | 4.7ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-000882 | R625 | R-CHIP | 4.7ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001014 | R231 | R-CHIP | 51OHM,5%,1/10W,TP,1608 | SA |
|5 | 2007-001014 | R232 | R-CHIP | 51OHM,5%,1/10W,TP,1608 | SA |
|5 | 2007-001068 | R858 | R-CHIP | 6.8Kohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | C7790 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R103 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R710_EU | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7112_EU | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7140_EU | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R720 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R744 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7581 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7583 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7584 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7587_EU | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7591 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7592 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R770 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R771 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7788 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001164 | R7789 | R-CHIP | 75ohm,1%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R352 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R353 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R354 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R751 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R752 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R753 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R755 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2007-001167 | R756 | R-CHIP | 75ohm,5%,1/10W,TP,1608 | SA |
|5 | 2011-000002 | IC2019 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2015 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2016 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2017 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2018 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2020 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2021 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000002 | RA2022 | R-NET | 22OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000515 | RA933 | R-NET | 4.7Kohm,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000515 | RA934 | R-NET | 4.7Kohm,5%,1/16W,L,CHIP,8P,TP | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|-----------------------------------|---------|
|5 | 2011-000585 | RA323 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA324 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA325 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA326 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA327 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA328 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA329 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000585 | RA330 | R-NET | 470HM,5%,1/16W,L,CHIP,8P,TP | SA |
|5 | 2011-000651 | RA316 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA317 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA318 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA319 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA320 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA321 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA322 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA913 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA914 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA915 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA916 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA917 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-000651 | RA919 | R-NET | 100HM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA910 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA911 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA912 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA922 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA923 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA924 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA925 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA926 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA927 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA928 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA929 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA930 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA931 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2011-001093 | RA932 | R-NET | 100OHM,5%,1/16W,L,CHIP,8P,TP,3216 | SA |
|5 | 2203-000041 | C3069_EU | C-CER,CHIP | 0.01NF,0.25PF,50V,C0G,TP,1608 | SA |
|5 | 2203-000140 | C622 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
|5 | 2203-000140 | C646 | C-CER,CHIP | 1.5nF,10%,50V,X7R,TP,1608,- | SA |
|5 | 2203-000189 | C120 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C2061 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C2065 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C2102 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C2104 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C2106 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C224 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C225 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C236 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C240 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C241 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C242 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C243 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C244 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C245 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C246 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C247 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C248 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C249 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C25026 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C252 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C253 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C254 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C255 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C256 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C258 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C259 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C260 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C261 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C262 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C263 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C264 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C265 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C266 | C-CER,CHIP | 100nF,+80-20%,25V,Y5V,TP,1608, | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|-------------------------------|---------|
|5 | 2203-000189 | C267 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C268 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C269 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C277 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C279 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C281 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C285 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C286 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C287 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C288 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C289 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C290 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C291 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C292 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C293 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C294 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C295 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C296 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C298 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C299 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C310_EU | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C317 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C331 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C349 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C353 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C356 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C357 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C359 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C380 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C383 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C385 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C389 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C630 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C649 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C654 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C669 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C671 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C676 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C686 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C687 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C736 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C737 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C802 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C805 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C808 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C811 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C814 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C818 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C820 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C868 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C877 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C907 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C939 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C9553 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C9555 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000189 | C9846 | C-CER,CHIP | 100nF,+80-20%25V,Y5V,TP,1608, | SA |
|5 | 2203-000236 | C118 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C119 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C25020 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C25021 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C25022 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C25023 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C283 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C323 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C344 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C387 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C5132 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C701_EU | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C702 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C703_EU | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C704 | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |
|5 | 2203-000236 | C707_EU | C-CER,CHIP | 0.1nF,5%50V,COG,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|----------------------------|---------|
|5 | 2203-000236 | C711_EU | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C729_EU | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C730_EU | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C731 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C732_EU | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C733 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C734 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C735 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C9233_EU | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C988 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000236 | C989 | C-CER,CHIP | 0.1nF,5%50V,C0G,1608 | SA |
|5 | 2203-000257 | C102 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C106 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C213 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C214 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C215 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C216 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C217 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C223 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C226 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C2301 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C388 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C803 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C806 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C809 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C812 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C819 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C838 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C854 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C869 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C932 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C934 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C936 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C937 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000257 | C940 | C-CER,CHIP | 10nF,10%50V,X7R,1608 | SA |
|5 | 2203-000405 | C850 | C-CER,CHIP | 0.18nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000440 | C25016 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C25017 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C25018 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C25019 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C341 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C350 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C351 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C354 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C355 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C381 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C386 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C635 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C636 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C901 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C903 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C906 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C9548 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C9549 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000440 | C990 | C-CER,CHIP | 1nF,10%50V,X7R,1608 | SA |
|5 | 2203-000491 | C109 | C-CER,CHIP | 2.2nF,10%50V,X7R,TP,1608,- | SA |
|5 | 2203-000552 | C238 | C-CER,CHIP | 0.02nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000552 | C239 | C-CER,CHIP | 0.02nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000626 | C919 | C-CER,CHIP | 0.022nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000626 | C920 | C-CER,CHIP | 0.022nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000626 | C929 | C-CER,CHIP | 0.022nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000626 | C930 | C-CER,CHIP | 0.022nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000715 | C8822 | C-CER,CHIP | 3.3nF,10%50V,X7R,TP,1608,- | SA |
|5 | 2203-000783 | C709_EU | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C712 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C713 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C739 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C742 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C7420 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C7422 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C743 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C744 | C-CER,CHIP | 0.33nF,5%50V,C0G,TP,1608 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|--------------------------------|---------|
|5 | 2203-000783 | C749 | C-CER,CHIP | 0.33NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C750 | C-CER,CHIP | 0.33NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C7579 | C-CER,CHIP | 0.33NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | C760 | C-CER,CHIP | 0.33NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000783 | D747 | C-CER,CHIP | 0.33NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C271_EU | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C7763_EU | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C7764_EU | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C7765_EU | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C921 | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000815 | C922 | C-CER,CHIP | 0.033NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000838 | C333 | C-CER,CHIP | 0.39NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000843 | C332 | C-CER,CHIP | 39nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000872 | C627 | C-CER,CHIP | 0.003NF,0.25PF,50V,C0G,TP,1608 | SA |
|5 | 2203-000872 | C628 | C-CER,CHIP | 0.003NF,0.25PF,50V,C0G,TP,1608 | SA |
|5 | 2203-000888 | C110 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C218 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C219 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C324 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C335 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C633 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000888 | C634 | C-CER,CHIP | 4.7nF,10%50V,X7R,TP,1608 | SA |
|5 | 2203-000972 | C107 | C-CER,CHIP | 47nF,10%16V,X7R,TP,1608 | SA |
|5 | 2203-000972 | C620 | C-CER,CHIP | 47nF,10%16V,X7R,TP,1608 | SA |
|5 | 2203-000975 | C370 | C-CER,CHIP | 47nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000975 | C667 | C-CER,CHIP | 47nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000975 | C668 | C-CER,CHIP | 47nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000975 | C681 | C-CER,CHIP | 47nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000975 | C685 | C-CER,CHIP | 47nF,10%25V,X7R,TP,1608,- | SA |
|5 | 2203-000998 | C705_EU | C-CER,CHIP | 0.047NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000998 | C728_EU | C-CER,CHIP | 0.047NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-000998 | C935 | C-CER,CHIP | 0.047NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-001071 | C624 | C-CER,CHIP | 0.056NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-001071 | C625 | C-CER,CHIP | 0.056NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-001071 | C626 | C-CER,CHIP | 0.056NF,5%50V,C0G,TP,1608 | SA |
|5 | 2203-001391 | C664 | C-CER,CHIP | 150nF,10%25V,X7R,TP,2012,- | SA |
|5 | 2203-001391 | C665 | C-CER,CHIP | 150nF,10%25V,X7R,TP,2012,- | SA |
|5 | 2203-001391 | C682 | C-CER,CHIP | 150nF,10%25V,X7R,TP,2012,- | SA |
|5 | 2203-001391 | C684 | C-CER,CHIP | 150nF,10%25V,X7R,TP,2012,- | SA |
|5 | 2203-001607 | C108 | C-CER,CHIP | 0.22nF,5%50V,NP0,-,1608 | SA |
|5 | 2203-001607 | C675 | C-CER,CHIP | 0.22nF,5%50V,NP0,-,1608 | SA |
|5 | 2203-001630 | C657 | C-CER,CHIP | 330nF,+80-20%16V,Y5V,TP,1608 | SA |
|5 | 2203-001630 | C658 | C-CER,CHIP | 330nF,+80-20%16V,Y5V,TP,1608 | SA |
|5 | 2203-001656 | C623 | C-CER,CHIP | 0.47nF,5%50V,NP0,TP,1608 | SA |
|5 | 2203-001656 | C644 | C-CER,CHIP | 0.47nF,5%50V,NP0,TP,1608 | SA |
|5 | 2203-001656 | C956_EU | C-CER,CHIP | 0.47nF,5%50V,NP0,TP,1608 | SA |
|5 | 2203-005005 | C100 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C105 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C113 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C2107 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C211 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C212 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C221 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C222 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C228 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C230 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C231 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C232 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C25025 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C3068_EU | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C321 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C322 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C325 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C327 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C328 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C329 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C330 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C334 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C336 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C337 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C338 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |
|5 | 2203-005005 | C339 | C-CER,CHIP | 100nF,10%16V,X7R,1608 | SA |

7 Electrical Parts List

[illegible]

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------|----------------------------------|---------|
|5 | 2203-005065 | C928 | C-CER,CHIP | 1000nF,+80-20%10V,Y5V,-,1608 | SA |
|5 | 2203-005437 | C371 | C-CER,CHIP | 10000nF,+80-20%10V,Y5V,TP,3216 | SA |
|5 | 2402-000108 | C738 | C-AL,SMD | 10uF,20%,16V,WT,TP,4.3x4.3x5.4 | SA |
|5 | 2402-001081 | C670 | C-AL,SMD | 100uF,20%,25V,WT,TP,8.3x8.3x10 | SA |
|5 | 2402-001081 | C688 | C-AL,SMD | 100uF,20%,25V,WT,TP,8.3x8.3x10 | SA |
|5 | 2402-001081 | C801 | C-AL,SMD | 100uF,20%,25V,WT,TP,8.3x8.3x10 | SA |
|5 | 2402-001081 | C817 | C-AL,SMD | 100uF,20%,25V,WT,TP,8.3x8.3x10 | SA |
|5 | 2402-001081 | C836 | C-AL,SMD | 100uF,20%,25V,WT,TP,8.3x8.3x10 | SA |
|5 | 2402-001128 | C101 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C210 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C220 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C25027 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C345 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C391 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C648 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C660 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C677 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C804 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C807 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C865 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001128 | C867 | C-AL,SMD | 100UF,20%,16V,WT,TP,6.3X5.7MM | SA |
|5 | 2402-001129 | C115_OP | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001129 | C619 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001129 | C655 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001129 | C938 | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001129 | C958_EU | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001129 | C959_EU | C-AL,SMD | 47UF,20%,16V,WT,TP,6.3X5.2MM | SA |
|5 | 2402-001158 | C2109 | C-AL,SMD | 1UF,20%,50V,WT,TP,4X5.2MM | SA |
|5 | 2402-001158 | C250 | C-AL,SMD | 1UF,20%,50V,WT,TP,4X5.2MM | SA |
|5 | 2402-001178 | C2060 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C2064 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C2100 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C2101 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C2103 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C2105 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C229 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C233 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C234 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C25015 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C25024 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C270_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C272_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C273 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C274 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C275 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C276 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C278 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C280 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C282 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C297 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C390 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C601 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C602 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C603 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C604 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C605 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C606 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C607 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C608 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C6105 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C611 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C612 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C6120 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C629 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C631 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C645 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C650 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C651 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C652 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C653 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C7766 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C839 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|--------------|---|---------|
|5 | 2402-001178 | C910 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C923 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C933 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C943_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C945_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C947_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C949_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C951_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C953_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C9540 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C9543 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C961 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C965 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C966 | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001178 | C971_EU | C-AL,SMD | 10UF,20%,16V,WT,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001183 | C103 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C112 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C2108 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C227 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C284 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C320 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C326 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C352 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C358 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C382 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C384 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C610 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C621 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C656 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C659 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C813 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C815 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C821 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C822 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C824 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C853 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C855 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C861 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C863 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C870 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C872 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C875 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C880 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C882 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C931 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001183 | C996 | C-AL,SMD | 22UF,20%,16V,WT,TP,5.3X5.3X6MM | SA |
|5 | 2402-001226 | C1671_EU | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C393 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C6104 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C613 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C614 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C615 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C616 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C617 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001226 | C618 | C-AL,SMD | 4.7UF,20%,35V,HR,TP,4.3X4.3X5.8MM | SA |
|5 | 2402-001238 | C104 | C-AL,SMD | 1UF,20%,50V,HR,TP,4.3X4.3X5.2MM | SA |
|5 | 2402-001257 | C111 | C-AL,SMD | 470uF,20%,16V,-,TP,8.3* 10 | SA |
|5 | 2402-001257 | C7767 | C-AL,SMD | 470uF,20%,16V,-,TP,8.3* 10 | SA |
|5 | 2409-001029 | C847 | C-ORGANIC | 120uF,20%,6.3V,WT,TP,10.3x10.3x10.3mm,9 | SA |
|5 | 2503-001018 | CA392 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2503-001018 | CA393 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2503-001018 | CA394 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2503-001018 | CA395 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2503-001018 | CA396 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2503-001018 | CA397 | C-NETWORK | 15PFX4,10%,50V,- | SA |
|5 | 2703-000274 | BD919 | INDUCTOR-SMD | 2.2uH,10%,2012 | SA |
|5 | 2703-000274 | L2201 | INDUCTOR-SMD | 2.2uH,10%,2012 | SA |
|5 | 2703-000274 | L2612 | INDUCTOR-SMD | 2.2uH,10%,2012 | SA |
|5 | 2703-000274 | L2613 | INDUCTOR-SMD | 2.2uH,10%,2012 | SA |
|5 | 2703-000398 | BD615 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L102 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L610 | INDUCTOR-SMD | 10uH,10%,3225 | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|----------------|--|---------|
|5 | 2703-000398 | L611 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L612 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L620 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L621 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L712 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L713 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L718_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L719 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L720_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L721 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L722 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L723 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L724 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L725 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L727 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L728 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L732 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L733 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L734_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L735 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L736_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L737 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L740 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L741 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L7565 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L910 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L911_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L914 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L915 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L916 | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000398 | L917_EU | INDUCTOR-SMD | 10uH,10%,3225 | SA |
|5 | 2703-000417 | L112 | INDUCTOR-SMD | 220uH,5%,3225 | SA |
|5 | 2703-001426 | L103 | INDUCTOR-SMD | 680uH,20%,7070 | SA |
|5 | 2703-001778 | L705_EU | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-001778 | L706_EU | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-001778 | L707_EU | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-001778 | L708_EU | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-001778 | L709 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-001778 | L711 | INDUCTOR-SMD | 3.3uH,20%,3225 | SA |
|5 | 2703-002327 | L100 | INDUCTOR-SMD | 3.9uH,5%,3225 | SA |
|5 | 2801-000258 | X901 | CRYSTAL-UNIT | 0.032768MHz,20ppm,SMD,12.5pF,50ohm,TP | SA |
|5 | 2801-003326 | X903 | CRYSTAL-SMD | 24MHz,30ppm,28-ABX,16pF,50ohm, | SA |
|5 | 2801-003667 | X201 | CRYSTAL-SMD | 14.31818MHz,30ppm,28-AAN,16.50ohm,TP | SA |
|5 | 2801-004117 | X902 | CRYSTAL-SMD | 6MHz,30PPM,28-ABX,20PF,150OHM,TP | SA |
|5 | 2801-004300 | X610 | CRYSTAL-SMD | 18.432MHz,30ppm,28-ABX,13pF,30ohm,TP | SA |
|5 | 2901-001264 | FT2701 | FILTER-EMI SMD | 25V,1A,-,297PF,3.2X1.6X10MM,TP | SA |
|5 | 2901-001302 | FT715 | FILTER-EMI SMD | 20V,0.3A,-,2.0x1.2x1.3mm,TP | SA |
|5 | 2901-001302 | FT716 | FILTER-EMI SMD | 20V,0.3A,-,2.0x1.2x1.3mm,TP | SA |
|5 | 2901-001302 | FT717 | FILTER-EMI SMD | 20V,0.3A,-,2.0x1.2x1.3mm,TP | SA |
|5 | 2901-001302 | FT718 | FILTER-EMI SMD | 20V,0.3A,-,2.0x1.2x1.3mm,TP | SA |
|5 | 3301-001145 | BD200 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD2305 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD311 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD603 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD604 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD800 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD801 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD802 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD803 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD804 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | BD805 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | FT2702 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | FT313 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | FT314 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | FT315 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001145 | FT810 | BEAD-SMD | 60OHM,4516,6000,TP,70OHM/45MHZ,82OHM/760MHZ,0.01 | SNA |
|5 | 3301-001236 | BD1815 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |
|5 | 3301-001236 | BD2014 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |
|5 | 3301-001236 | BD210 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |
|5 | 3301-001236 | BD211 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |
|5 | 3301-001236 | BD212 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |
|5 | 3301-001236 | BD213 | BEAD-SMD | 60ohm,1608,200mA,,,,,0.7ohm | SNA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|--------------------|--|---------|
|5 | 3301-001236 | BD214 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD215 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD216 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD221 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD222 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD310 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD312 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD314 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD710 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD711 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD712 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD820 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD821 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD920 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD921 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD922 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD923 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001236 | BD924 | BEAD-SMD | 60ohm,1608,200mA,,,0.7ohm | SNA |
|5 | 3301-001595 | L617 | BEAD-SMD | 1000ohm,7.0x6.0x4.5mm,4000mA,TP,,,0.012ohm | SNA |
|5 | 3301-001595 | L618 | BEAD-SMD | 1000ohm,7.0x6.0x4.5mm,4000mA,TP,,,0.012ohm | SNA |
|5 | 3301-001605 | FT250 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
|5 | 3301-001605 | FT251 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
|5 | 3301-001605 | FT252 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
|5 | 3301-001605 | FT253 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
|5 | 3301-001605 | FT524 | BEAD-SMD | 360ohm,2.0x1.2x1.2mm,100mA,TP,,,0.5ohm | SNA |
|5 | 3711-005291 | CN622 | CONNECTOR-HEADER | BOX,3P,1R,2MM,SMD-A,SN,WHT | SA |
|5 | 3711-005292 | CN621 | CONNECTOR-HEADER | BOX,3P,1R,2MM,SMD-A,SN,WHT | SA |
|5 | 3711-005470 | CN701 | CONNECTOR-HEADER | BOX,30P,1R,1.25mm,SMD-A,Sn+Pb,IVR | SA |
|5 | 3711-005497 | CN812 | CONNECTOR-HEADER | BOX,15P,1R,1.25mm,SMD-A,SnPb,IVR | SA |
|5 | 3711-005543 | CN813 | CONNECTOR-HEADER | BOX,6P,1R,1.25mm,SMD-A,SnPb,IVR | SA |
|5 | BN27-00008A | L811 | COIL CHOKE-SMD | SMD12" 12" 8.5,GH15/17PS,22.0UH,j ½20%-0.045OHM MAX.,3.0A,DR10X7/SMD12X6.7,16.5TS | SA |
|5 | BN27-00017A | L701_OP | COIL CHOKE-SMD | PO5845-330,LT17N2,33uH,10%0.3ohm,1A,DR5845,35.5Ts,6" 5.2" 4.5,1.5mm,TP | SA |
|5 | BN27-00017A | L702_OP | COIL CHOKE-SMD | PO5845-330,LT17N2,33uH,10%0.3ohm,1A,DR5845,35.5Ts,6" 5.2" 4.5,1.5mm,TP | SA |
|5 | BN27-00017A | L703_OP | COIL CHOKE-SMD | PO5845-330,LT17N2,33uH,10%0.3ohm,1A,DR5845,35.5Ts,6" 5.2" 4.5,1.5mm,TP | SA |
|5 | BN27-00017A | L704_OP | COIL CHOKE-SMD | PO5845-330,LT17N2,33uH,10%0.3ohm,1A,DR5845,35.5Ts,6" 5.2" 4.5,1.5mm,TP | SA |
|5 | BN97-00484B | MICOM2 | ASSY MICOM | NEW | SNA |
|6 | 0903-001389 | IC902 | IC-MICROCONTROLLER | S3F866B,8Bit,QFP,44P,10.0x10.0mm,24MHz,-,-,PLASTIC,3.3V,-,-25to+85C,64K,-,-,-,- | SNA |
|5 | BN97-00529A | MICOM1 | ASSY MICOM | RE32EO,AT49BV802AT,20050107,1107-001555,T-ROME32PEU-1000 | SNA |
|6 | 1107-001555 | IC908 | IC-FLASH MEMORY | 49BV802A,512Kx16/1Mx8Bit,TSOP,48P,18.4x12mm,70nS,-,-,40to+85C,25uA,TP | SA |
|3 | BN96-01850B | | ASSY PCB P-SMPS | 110W SMPS,RE23EO,1208185mm,AC100-240V,2 | SNA |
|2 | BN91-00833C | | ASSY LCD-SPZ | RE23UO* AM LCD | SNA |
|3 | BN07-00184A | LCD | LCD | LTA230W1-L02,8bit,546" 318" 46.3,16.7M,16.9,0.372,0.372,0 to +50.5V,PVA ZPD,23inch | SA |

7 Electrical Parts List

7-2 Differential components lists of Main PCB

| Model | LE23R51B | LE26R51B | LE32R51B | LE40R51B |
|------------|---------------------|-------------|---------------------|---------------------|
| Ass'y code | BN94-00629S | BN94-00629T | BN94-00629A | BN94-00629D |
| L701_OP | BN27-00017A | BN27-00017A | X | X |
| L702_OP | BN27-00017A | BN27-00017A | X | X |
| L703_OP | BN27-00017A | BN27-00017A | X | X |
| L704_OP | BN27-00017A | BN27-00017A | X | X |
| L613_OP | X | BN27-00017A | BN27-00009A | BN27-00009A |
| L614_OP | X | BN27-00017A | BN27-00009A | BN27-00009A |
| L615_OP | X | BN27-00017A | BN27-00009A | BN27-00009A |
| L616_OP | X | BN27-00017A | BN27-00009A | BN27-00009A |
| 23_ | 0 Ohm (2007-000070) | BN27-00017A | X | X |
| 26_ | X | BN27-00017A | X | X |
| 32_ | X | BN27-00017A | 0 Ohm (2007-000070) | X |
| 40_ | X | BN27-00017A | X | 0 Ohm (2007-000070) |
| J A711 | X | BN27-00017A | 3701-001311 | 3701-001311 |
| J A712 | X | BN27-00017A | 3722-001903 | 3722-001903 |
| R920 | 2007-000070 | BN27-00017A | X | X |
| R921 | X | BN27-00017A | X | X |
| R922 | X | BN27-00017A | 2007-000082 | X |
| R923 | X | BN27-00017A | X | 2007-000070 |

7-3 LE23R51B Others

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------|-------------------------|---|---------|
|2 | BN90-00695B | | ASSY COVER REAR | RE23EO | SNA |
|3 | 6002-001294 | C/R+C/M | SCREW-TAPPING | BH,+ ,M4,L16,Z PC(BLK) | SA |
|3 | 6003-000115 | C/J+SU | SCREW-TAPTITE | BH,+ ,B,M3,L6,Z PC(BLK),SWRCH18A,- | SNA |
|3 | BN63-01729A | | COVER-JACK | ROME,23,ABS,V0,GR503,PAL(SCART),READY | SNA |
|3 | BN96-01725A | | ASSY COVER P-REAR | ROME,23,HIPS,V0,GR503 | SNA |
|4 | 6003-000133 | B/V+REAR | SCREW-TAPTITE | BH,+ ,S,M4,L8,Z PC(BLK),SWRCH18A,- | SNA |
|4 | 6003-000133 | H/W+REAR | SCREW-TAPTITE | BH,+ ,S,M4,L8,Z PC(BLK),SWRCH18A,- | SNA |
|4 | BN61-01302A | | BRACKET-VESA | 32" DUOMO,SECC,T1.6 | SNA |
|4 | BN61-01488A | | HOLDER-WIRE | ROME,40,ABS,HB,GR503 | SNA |
|4 | BN63-01725A | | COVER-REAR | ROME,23,HIPS,V0,GR503 | SNA |
|2 | BN90-00696B | | ASSY COVER FRONT | RE23EO | SNA |
|3 | 6003-001003 | C/M+C/F | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6003-001003 | I/P+C/M | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6003-001003 | P/S+C/M | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6006-001096 | SPK+C/M | SCREW-TAPTITE | WP,BH,+ ,M4,0,L12,BLK,SWRCH18A | SNA |
|3 | BN96-01723B | | ASSY COVER P-FRONT | 23" ROME,ABS,HB,BK23,RHCM,EO | SNA |
|4 | BN61-01655A | | SPRING ETC | STS-304 SUS,D8,L12,T0.5 | SA |
|4 | BN63-01723B | | COVER-FRONT | 23" ROME,ABS,T2.0,HB,BK23,RHCM,EO | SNA |
|4 | BN64-00342A | | KNOB POWER | ROME,40,PC,VIOLET | SNA |
|4 | BN64-00343A | | WINDOW-RMC | ROME,40,PC,CLEAR | SNA |
|4 | BN64-00346A | | KNOB-DECORATION | ROME,40,AL,T0.5,TITAN,POWER | SNA |
|3 | BN96-01724B | | ASSY COVER P-MIDDLE | 23" ROME,ABS,V0,GR70,SV012P,EO | SNA |
|4 | 6003-001003 | K/C+C/M | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|4 | BN61-01489A | | GUIDE-CONTROL | ROME,40,ABS,HB,GR70 | SNA |
|4 | BN63-01724B | | COVER-MIDDLE | 23" ROME,ABS,T2.0,V0,GR70,SV012P | SNA |
|4 | BN64-00340A | | KNOB-DECORATION | ROME,40,ABS,HB,GR515,AL | SNA |
|4 | BN64-00341A | | KNOB CONTROL | ROME,40,ABS+PC,GR70,SV012P | SNA |
|4 | BP61-00509C | MIDDLE | HOLDER-CARE | PJ T,ACRYL-FOAM,T0.25,W20.0mm,L33M,CLEAR,TAPE | SNA |
|3 | BN96-01771A | C/F | ASSY SPEAKER P | 16ohm,Left,3W,Rome 23 | SA |
|3 | BN96-01772A | C/F | ASSY SPEAKER P | 16ohm,Right,3W,Rome 23 | SA |
|3 | BP61-00495C | MIDDLE | HOLDER-CARE | PJ T,ACRYL-FOAM,T0.25,W30.0mm,L33M,CLEAR,TAPE | SNA |
|2 | BN90-00697A | | ASSY STAND | RE23 | SNA |
|3 | BN96-01727A | | ASSY STAND P-SET | ROME,26,23,ABS,HB,GR70,SV012P | SNA |
|4 | 6002-001294 | BR+G/S | SCREW-TAPPING | BH,+ ,M4,L16,Z PC(BLK) | SA |
|4 | 6003-001239 | BR+C/S | SCREW-TAPTITE | FH,+ ,B,M4,L10,Z PC(YEL),SWRCH18A | SA |
|4 | 6902-000519 | STAND | BAG PE | HDPE/NITRON(DOUBLE),T0.015/T0.05(DOUBLE),W1000,L700,TRP,28 LANGUAGE,2 | SNA |
|4 | BN61-01561A | | GUIDE-STAND | ROME,23,ABS,HB,GR70 | SNA |
|4 | BN61-01562A | | BRACKET-STAND BOTTOM | 26" ROME,SECC,T2.0 | SNA |
|4 | BN63-01718A | | COVER-STAND | ROME,26,23,ABS,HB,GR70,SV012P | SNA |
|2 | BN91-00793T | | ASSY SHIELD | NEW | SNA |
|3 | 0201-001578 | CIS | ADHESIVE-HM | HM-555,WHT,4,000 Cps,- | SNA |
|3 | 6003-000115 | M/P+BR | SCREW-TAPTITE | BH,+ ,B,M3,L6,Z PC(BLK),SWRCH18A,- | SNA |
|3 | 6003-000115 | P/P+BR | SCREW-TAPTITE | BH,+ ,B,M3,L6,Z PC(BLK),SWRCH18A,- | SNA |
|3 | 6003-000133 | BR/P+PA | SCREW-TAPTITE | BH,+ ,S,M4,L8,Z PC(BLK),SWRCH18A,- | SNA |
|3 | 6003-001003 | B/ST+MI | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6003-001003 | BR/P+MI | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6003-001003 | BR/SH+MI | SCREW-TAPTITE | BH,+ ,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
|3 | 6046-001013 | CIS | STAND OFF | M3,L5,Ni PLT,SUM24L,# 4-40 | SNA |
|3 | 6502-001002 | BRKT | CABLE CLAMP | DAWS-1NB,ID15.5,T2.0,NYLON66,N | SNA |
|3 | BN39-00588C | CIS | LEAD CONNECTOR | SO40UO,UL20276# 30,30P,200mm,# 30,FI-E30HL,12507HS-30L,BK,20276# 30 | SA |
|3 | BN39-00616A | CIS | LEAD CONNECTOR | RE26" ,UL2835# 28,12/15P,300mm,# 28,12507HS-12L,12507HS-15L,BK,2835# 28 | SA |
|3 | BN61-01523A | | BRACKET-GUIDE STAND | 32" ROME,SECC,T1.0 | SNA |
|3 | BN61-01564A | | BRACKET-PANEL SIDE | 26" ROME,SECC,T1.2 | SNA |
|3 | BN61-01569A | | BRACKET-PCB | 23" ROME,SECC,T1.0 | SNA |
|3 | BN96-01882C | CIS | ASSY BOARD P-POWER & IR | ROME 26,CT5000-3260,POWER&IB BOARD ASS | SNA |
|2 | BN91-00826S | | ASSY CHASSIS | NEW | SNA |
|2 | BN92-00920B | | ASSY LABEL | MU15EO | SNA |
|3 | BN68-00614A | LABEL | LABEL RATING-00 | ALL,SS,PE,T0.05,90" 45,BLK,POLYESTER,NO SILK | SNA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|--------|-------------|----------------|-----------------------------|--|---------|
|2 | BN92-01295A | | ASSY P/MATERIAL | RE23 | SNA |
|3 | 0203-001269 | | TAPE-OPP MASKING | # 301,T0.06,W75,L50000,NTR | SNA |
|3 | 6902-000379 | | BAG AIR | LDPE,T0.2,W1000,L1800,TRP,-,- | SNA |
|3 | 6902-000520 | | BAG PE | HDPE/NITRON(DOUBLE),T0.015/T0.5(DOUBLE),W700,L700,TRP,28 LANGUAGE,2- | SNA |
|3 | 6902-000604 | | BAG WRAPPING | LDPE,T0.02,W500,L10000,TRP,-,- | SNA |
|3 | BH68-40364A | P/M | LABEL-SUMMARY | G52,G72,ART,100G,WHT,BLK,W142" | SNA |
|3 | BH69-00457C | | PACKING-PAD BOTTOM | CY15PO,FOAM,T3.0,1320,880 | SNA |
|3 | BH69-40321C | | PACKING-EDGE | SW4/YEL,2030" 140,-,CGC5637(HP) | SNA |
|3 | BH69-40348A | | PACKING-PAD TOP 15' | CB-DW2,W1200" L840,500G,CMA5377 | SNA |
|3 | BN68-00129A | P/M | LABEL SHIPPING-00 | -,LABEL SHIPPING,ART-PAPER,100G,-,WHT,BLACK,-,-,- | SNA |
|3 | BN69-00617T | | PALLET-WOODEN | ROME 23" ,WOODEN,1160,680,120,2 WAY TYPE | SNA |
|3 | BN69-00949A | | CUSHION-SET | 23" ROME,EPS,50M | SNA |
|2 | BN92-01296B | | ASSY BOX | LE23R51BX/XEC | SNA |
|3 | AA68-50502A | BOX | LABEL-00,CONFORMATION | W/P100(G),CTV,ITALY,170x110,BL | SNA |
|3 | BH68-00329D | BOX | LABEL BAR CODE-01 | NO CE,NO WT" Y,MPRII,LABEL-BARCODE,MOJ O 90G,90,95,WHT | SNA |
|3 | BN69-00955B | | BOX-00,SET | RE23EO,RE23RO,SW4,A,YEL,A1,EUROPE/CIS | SNA |
|2 | BN92-01324F | | ASSY ACCESSORY | LE23R51BX/XEC | SNA |
|3 | BN96-01904K | UNIT/ACCESSORY | ASSY ACCESSORY | LE23R51BX/XEC | SA |
|4 | 0203-000214 | ACCESSORY | TAPE-OPP MASKING | OPP/W50/CLR,T0.05,W50,L400000, | SNA |
|4 | 3903-000042 | ACCESSORY | CBF-POWER CORD | DT,EU,FP3/YES,IEC320 C13/C14,250/250V,10-16/10A,BLK,1830MM,-,H05VV-F 3X0.75MM^2, | SA |
|4 | 4301-000103 | ACCESSORY | BATTERY-ALKALINE | 1.5V,750mAh,AAA,10.5x44.5mm,- | SA |
|4 | 6902-000110 | ACCESSORY | BAG PE | LDPE,T0.05,L356,W240,TRP,28,2,PE MARK | SNA |
|4 | AA39-00171A | ACCESSORY | CBF SIGNAL | -,1P,3C-2C,2100mm,-,BLK,DIN,-,-,- | SA |
|4 | AA68-00291A | ACCESSORY | MANUAL-S/NETWORK | -,SPANISH,-,B5,W/P100G,- | SNA |
|4 | AA68-01092B | ACCESSORY | MANUAL-S/NETWORK | ,ITA,B5,W/P100(G),1,1P | SNA |
|4 | AA68-03242B | 00 | MANUAL-SAFETY GUIDE | TH-ENG,SAFETY GUIDE | SNA |
|4 | AA68-03575A | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEU,ENG,UK,W/P100G,L150,W392 | SNA |
|4 | AA68-03575B | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEG,GERMAN,W/P100G,L150,W392 | SNA |
|4 | AA68-03575C | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEF,FRENCH,W/P100G,L150,W392 | SNA |
|4 | AA68-03575D | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEC,SPANISH,W/P100G,L150,W392 | SNA |
|4 | AA68-03575E | ACCESSORY | MANUAL-00,REGISTRATION CARD | XET,ITALY,W/P100G,L150,W392 | SNA |
|4 | AA68-03575F | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEN,DUTCH,W/P100G,L150,W392 | SNA |
|4 | AA68-03575G | ACCESSORY | MANUAL-00,REGISTRATION CARD | XEP,PORTUGAL,W/P100G,L150,W392 | SNA |
|4 | BN59-00457A | ACCESSORY | REMOCON | ROME,TM75,139x53x21,SAMSUNG,36,G6148,EX,Europe,PAL,TTX,PIP | SNA |
|4 | BN63-01674A | ACCESSORY | COVER-BOTTOM | 32" ROME,ABS,V0,GR503 | SNA |
|4 | BN68-00514A | ACCESSORY | MANUAL-03,WARRANTY CARD | PDP/LCD TV,EN,FR,DE,ETC,W/P 120g | SNA |
|4 | BN68-00817C | ACCESSORY | MANUAL USERS-00 | LE23R51B,SAMSUNG,E/F/G/Du/I/S/P,W,Euroep,Art 120/Majo100,B5,ROME 23" | SNA |
|4 | BN69-00350A | ACCESSORY | BOX-00,ACCESSORY | AL29NO/AO,CB SW-1,YEL,KSD-21,60,300,230 | SNA |
|4 | BN96-01800A | ACCESSORY | ASSY ACCESSORY | ROME32,SCREW | SNA |
|5 | 6002-001294 | ST+SE | SCREW-TAPPING | BH,+,,M4,L16,Z PC(BLK) | SA |
|5 | 6902-000128 | ACCESSORY | BAG ZIPPER | LDPE,T0.05,L150,W200,TRP,8,2,PE MARK | SNA |

7-3 LE26R51B Others

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------------|-----------------------|---|---------|
| 2 | BN90-00692D | - | ASSY COVER FRONT | RE26EO,(GN) | SNA |
| 3 | 6003-001003 | C/M+C/F | SCREW-TAPTITE | BH,+,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | I/P+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | P/S+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | SPK+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
| 3 | BN96-01728D | - | ASSY COVER P-FRONT | ROME,26EO,(GN),ABS,HB,BK23,RHCM | - |
| 4 | AA61-60003A | - | SPRING ETC-CS | -,SUS304,-,OD7,N7,OD7,-,-,-,- | SNA |
| 4 | BN63-01715D | - | COVER-FRONT | ROME,26(GN),ABS,HB,BK23,RHCM,EO | - |
| 4 | BN64-00342A | - | KNOB POWER | ROME,40,PC,T2.5,VIOLET | SNA |
| 4 | BN64-00343A | - | WINDOW-RMC | ROME,40,PC,CLEAR | SNA |
| 4 | BN64-00346A | - | KNOB-DECORATION | ROME,40,AL,T0.5,TITAN,POWER | SNA |
| 3 | BN96-01729C | - | ASSY COVER P-MIDDLE | ROME,26EO,ABS,V0,GR70,SV012P | SNA |
| 4 | 6003-001003 | K/C+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,Z PC(BLK),SWRCH18 | SNA |
| 4 | BN61-01489A | - | GUIDE-CONTROL | ROME,40,ABS,HB,GR70 | SNA |
| 4 | BN63-01716C | - | COVER-MIDDLE | ROME,26,ABS,V0,GR70,SV012P,EO | SNA |
| 4 | BN64-00340A | - | KNOB-DECORATION | ROME,40,ABS,HB,GR515,AL | SNA |
| 4 | BN64-00341A | - | KNOB CONTROL | ROME,40,ABS+PC,GR70,SV012P | SNA |
| 4 | BN96-01881A | MIDDLE | ASSY BOARD P-FUNCTION | ROME 32" ,CT5000-3200,FUNCTION | SNA |
| 3 | BN96-01769A | C/F | ASSY SPEAKER P | 16ohm,Left,5W,Rome 26 | SA |
| 3 | BN96-01770A | C/F | ASSY SPEAKER P | 16ohm,Right,5W,Rome 26 | SA |
| 2 | BN90-00693D | - | ASSY COVER REAR | RE26EO(GN,CABLE) | SNA |
| 3 | 6002-001294 | C/R+C/M | SCREW-TAPPING | BH,+,M4,L16,Z PC(BLK) | SA |
| 3 | 6003-000115 | C/J+SU | SCREW-TAPTITE | BH,+,B,M3,L6,Z PC(BLK),SWRCH18A,- | SNA |
| 3 | BN63-01653A | - | COVER-JACK | ROME,40" ,32" ,26" ,ABS,V0,GR503,PAL(SCART),READY | SNA |
| 3 | BN96-01736C | - | ASSY COVER P-REAR | ROME,26(GN,CABLE),HIPS,HB,GR503 | - |
| 4 | 6003-000133 | B/V+REAR | SCREW-TAPTITE | BH,+,S,M4,L8,Z PC(BLK),SWRCH18A,- | SNA |
| 4 | 6003-000133 | H/W+REAR | SCREW-TAPTITE | BH,+,S,M4,L8,Z PC(BLK),SWRCH18A,- | SNA |
| 4 | BN61-01302A | - | BRACKET-VESA | 32" DUOMO,SECC,T1.6 | SNA |
| 4 | BN61-01488A | - | HOLDER-WIRE | ROME,40,ABS,HB,GR503 | SNA |
| 4 | BN63-01717C | - | COVER-REAR | ROME,26(GN,CABLE),HIPS,HB,GR503 | - |
| 2 | BN90-00694A | - | ASSY STAND | RE26 | SNA |
| 3 | BN96-01727A | - | ASSY STAND P-SET | ROME,26,23,ABS,HB,GR70,SV012P | SNA |
| 4 | 6002-001294 | BR+G/S | SCREW-TAPPING | BH,+,M4,L16,Z PC(BLK) | SA |
| 4 | 6003-001239 | BR+C/S | SCREW-TAPTITE | FH,+,B,M4,L10,Z PC(YEL),SWRCH18A | SA |
| 4 | BN61-01561A | - | GUIDE-STAND | ROME,23,ABS,HB,GR70 | SA |
| 4 | BN61-01562A | - | BRACKET-STAND BOTTOM | 26" ROME,SECC,T2.0 | SNA |
| 4 | BN63-01718A | - | COVER-STAND | ROME,26,23,ABS,HB,GR70,SV012P | SNA |
| 2 | BN91-00826U | - | ASSY CHASSIS | NEW | SNA |
| 2 | BN92-01044V | - | ASSY LABEL | LM | SNA |
| 3 | AA68-00511C | LABEL | LABEL-00,TSXT | J 57A,T/P,75,22,SRS | SNA |
| 3 | AA68-01070A | LABEL | LABEL-01,MODEL | -,A/P,-,30,20,-,-,ALL MODEL,- | SNA |
| 3 | BN68-00614A | LABEL | LABEL RATING-00 | ALL,SS,PE,T0.05,90° 45,BLK,POLYESTER,NO SILK | SNA |
| 2 | BN92-01293A | - | ASSY P/MATERIAL | RE26 | SNA |
| 3 | 6902-000358 | - | BAG PE | HDPE/NITRON(DOUBLE),T0.02/T0.5,W900,L800,WHT,28,4AL29NO | SNA |
| 3 | 6902-000379 | - | BAG AIR | HDPE,T0.2,L1800,W1000,TRP,-,PAPER | SNA |
| 3 | 6902-000604 | - | BAG WRAPPING | LDPE,T0.02,W500,L10000,TRP,-,- | SNA |
| 3 | BH69-00457C | - | PACKING-PAD BOTTOM | CY15PO,FOAM,T3.0,1320,880 | SNA |
| 3 | BH69-40321C | - | PACKING-EDGE | SW4/YEL,2030" 140,-,CGC5637(HP) | SNA |
| 3 | BH69-40348A | - | PACKING-PAD TOP 15' | CB-DW2,W1200" L840,500G,CMA5377 | SNA |
| 3 | BN69-00617S | - | PALLET-WOODEN | ROME 26" ,WOODEN,770,1290,120,2 WAY TYPE | SNA |
| 3 | BN69-00948A | - | CUSHION-SET | 26" ROME,EPS,50M | SNA |
| 2 | BN92-01294D | - | ASSY BOX | LE26R51BDX/XEU | SNA |
| 3 | BH68-00329D | BOX | LABEL BAR CODE-01 | NO CE,NO WT" Y,MPRII,LABEL-BARCODE,MOJ O 90G,90,95,WHT | SNA |
| 3 | BN69-00954D | - | BOX-00,SET | GN26EO,DW3,AB,YEL,A-1,EUROPE/CIS | SNA |
| 2 | BN92-01312A | - | ASSY ACCESSORY | LE32R51BDX/XEU | SNA |
| 3 | BN96-01804S | UNIT/ACCESSORY | ASSY ACCESSORY | LE32R51BD/XEU | SA |
| 4 | 3903-000067 | ACCESSORY | CBF-POWER CORD | DT,GB,GP3(YES(A)),IEC C13/C14,250/250V,10/10A,BLK,1830MM,-,H05VV-F 3X1.0MM² 2,A | SA |
| 4 | 4301-000103 | ACCESSORY | BATTERY-ALKALINE | 1.5V,750mAh,AAA,10.5x44.5mm,- | SA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|-----------|---------------------|---|---------|
| 4 | 6801-001014 | ACCESSORY | CARD-REGISTRATION | XEU,ENG,MOJ 0100,L150,W392,-,- | SNA |
| 4 | 6902-000110 | ACCESSORY | BAG PE | LDPE,T0.05,L356,W240,TRP,28,2,PE MARK | SNA |
| 4 | AA39-00171A | ACCESSORY | CBF SIGNAL | -,1P,3C-2C,2100mm,-,BLK,DIN,-,-,- | SA |
| 4 | AA68-03242B | 00 | MANUAL-SAFETY GUIDE | TH-ENG,SAFETY GUIDE | SNA |
| 4 | AA68-20051A | ACCESSORY | MANUAL-S/NETWORK | ALL,W/P 100(G),B5,ENG,SEUK,- | SNA |
| 4 | BN59-00463A | ACCESSORY | REMOCON | GREENWICH,TM76A,210* 58* 21,ZILOG,49,G6148,EX,NT,GREENWICH,Europe,PAL | SNA |
| 4 | BN63-01674A | ACCESSORY | COVER-BOTTOM | 32" ROME,ABS,V0,GR503 | SNA |
| 4 | BN68-00514B | ACCESSORY | MANUAL-01,WARRANTY | PDP/LCD TV,SAMSUNG,W/W,Europe,W/P 120g,A5,ALL | SNA |
| 4 | BN68-00804A | ACCESSORY | MANUAL USERS-00 | LE26/32 R51BD,SAMSUNG,English,UK,Art 120/Mojo100,B5,Grrenwich | SNA |
| 4 | BN69-00350A | ACCESSORY | BOX-00,ACCESSORY | AL29NO/AO,CB SW-1,YEL,KSD-21,60,300,230 | SNA |
| 4 | BN96-01800A | ACCESSORY | ASSY ACCESSORY | ROME32,SCREW | SNA |
| 5 | 6002-001294 | ST+SE | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |

7-3 LE32R51B Others

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|----------------------|--|---------|
| 2 | BN90-00686A | - | ASSY COVER FRONT | RE32EO | SNA |
| 3 | 6003-001003 | C/M+C/F | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | I/P+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | P/S+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6006-001096 | SPK+C/M | SCREW-TAPTITE | VP,BH,+,M4,0,L12,BLK,SWRCH18A | SNA |
| 3 | BN96-01731A | - | ASSY COVER P-MIDDLE | 32" ROME,ABS V0,SV-012P | SNA |
| 4 | 6003-001003 | K/C+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | BN61-01489A | - | GUIDE-CONTROL | 40" ROME,ABS+PC,GR70 | SNA |
| 4 | BN63-01670A | - | COVER-MIDDLE | 32" ROME,ABS,V0,GR503,SV012P | SNA |
| 4 | BN64-00340A | - | KNOB-DECORATION | 40" ROME,ABS+PC,GR70,CR COATING | SNA |
| 4 | BN64-00341A | - | KNOB CONTROL | 40" ROME,ABS+PC,GR70,SV012P | SNA |
| 3 | BN96-01735A | - | ASSY COVER P-FRONT | 32" ROME,ABS HB,BK07,RHCM | SNA |
| 4 | AA61-60003A | - | SPRING ETC-CS | -,SUS304,--,OD7,N7,OD7,--,-- | SNA |
| 4 | BN63-01669A | - | COVER-FRONT | 32" ROME,ABS,HB,BLK,RHCM | SNA |
| 4 | BN64-00342A | - | KNOB POWER | 40" ROME,PC,VIOLET | SNA |
| 4 | BN64-00343A | - | WINDOW-RMC | 40" ROME,PC,CLEAR | SNA |
| 4 | BN64-00346A | - | KNOB-DECORATION | 40" ROME,AL,T0.5,POWER | SNA |
| 4 | BP64-00188A | - | BADGE-BRAND | ALL,AL,T1.5,65.0,10.6,BLK,SILIVER,SAMSUNG | SNA |
| 2 | BN90-00687A | - | ASSY COVER REAR | RE32EO | SNA |
| 3 | 6002-001294 | C/R+C/F | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6003-000115 | C/J +SU | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | BN63-01653A | - | COVER-J ACK | 40" ROME,ABS,V0,GR503,READY(PAL) | SNA |
| 3 | BN96-01732A | - | ASSY COVER P-REAR | 32" ROME,HIPS V0,GR503,NONE SPRAY | SNA |
| 4 | 6003-001003 | B/V+REAR | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | 6003-001003 | H/W+REAR | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | BN61-01488A | - | HOLDER-WIRE | 40" ROME,ABS,HB,GR503 | SNA |
| 4 | BN61-01505A | - | BRACKET-VESA | 40" ROME,SECC,T1.6 | SNA |
| 4 | BN63-01672A | - | COVER-REAR | 32" ROME,HIPS,V0,GR503 | SNA |
| 2 | BN90-00688A | - | ASSY STAND | RE32 | SNA |
| 3 | BN96-01733A | - | ASSY STAND P-BASE | 32" ROME,ABS HB,GR70,SV-012P | SNA |
| 4 | 6002-001294 | BR+G/S | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 4 | 6003-001424 | BR+C/S | SCREW-TAPTITE | FH,+,S,M4,L8,NI PLT,SWRCH18A,- | SNA |
| 4 | BN61-01519A | - | GUIDE-STAND | 32" ROME,ABS | SNA |
| 4 | BN61-01524A | - | BRACKET-STAND BOTTOM | 32" ROME,SECC,T2.0 | SNA |
| 4 | BN63-01673A | - | COVER-STAND | 32" ROME,ABS,HB,GR503 | SNA |
| 2 | BN91-00407K | - | ASSY LCD-SPZ | DU32EO | SNA |
| 3 | BN07-00172A | LCD | LCD-PANEL | LTA320W2-L01,Venus,8BIT,760* 450* 50,16.7M,40,0.51075* 0.51075,0~50,5V,PVA | SA |
| 2 | BN91-00793R | - | ASSY SHIELD | NEW | SNA |
| 3 | 6002-001294 | B/L-MIDD | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6002-001294 | B/S+B/L | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6002-001294 | BR+C/M | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6003-000115 | B/G+B/P | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | M/P+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | P/P+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | SH+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000133 | B/P+PA | SCREW-TAPTITE | BH,+,S,M4,L8,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6006-000245 | GROUND | SCREW-MACHINE | WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1 | SNA |
| 3 | BH39-00362B | CIS | LEAD CONNECTOR | RE32" * ,UL1007# 26,5P,150mm,# 26,SMH200-05,SMH200-05,BK,1007# 26,SJ 04-01-582 | SA |
| 3 | BN39-00028C | CIS | LEAD CONNECTOR | CK40PS,UL1007# 26,ULCSA,14P,70MM,# 26,SMH200-14,SMH200-14,BK,70MM,1007# 26,SJ 02-01 | SA |
| 3 | BN39-00046A | CIS | CBF-HARNESS | 3P,70MM,BLU/WHT/GRY,UL1007,AWG26,SMH250-03 | SA |
| 3 | BN39-00441B | CIS | LEAD CONNECTOR | NF32EO,UL1007# 26,14P,150MM,# 28,SMH200-14,SMH200-14,BK,1007# 26,TUBE | SA |
| 3 | BN39-00588A | CIS | LEAD CONNECTOR | DU32EO,UL20276# 30,30P,400mm,# 30,FI-E30HL,12507HS-30L,BK,20276# 30,SJ 04-01-358 | SNA |
| 3 | BN39-00588B | CIS | LEAD CONNECTOR | RE32" * ,UL20276# 30,30P,300mm,# 30,FI-E30HL,12507HS-30L,BK,20276# 30,SJ 04-01-532 | SA |
| 3 | BN39-00603B | CIS | LEAD CONNECTOR | RE32" * ,UL1007# 26,14P,200mm,# 26,PHR-14,SMH200-14,BK,1007# 26,SJ 04-01-583 | SA |
| 3 | BN39-00605B | CIS | LEAD CONNECTOR | RE32" * ,UL1061# 28,12/15P,300mm,# 28,12507HS-12L,12507HS-15L,BK,1061# 28,SJ 04-01-580 | SA |
| 3 | BN39-00606A | CIS | LEAD CONNECTOR | RE32" * ,UL1061# 28,8P/6,4P,500mm,# 26,12507HS-08L,12507HS-06L,04L,BK,1061# 28,SJ 04-0 | SA |
| 3 | BN61-01520A | - | HOLDER-SUB PCB | 32" ROME,ABS V0 | SNA |
| 3 | BN61-01523A | - | BRACKET-GUIDE STAND | 32" ROME,SECC,T1.0 | SNA |
| 3 | BN61-01525A | - | BRACKET-STAND LINK | 32" ROME,SECC,T1.6 | SNA |
| 3 | BN61-01526A | - | BRACKET-PANEL TOP | 32" ROME,SECC,T1.2 | SNA |
| 3 | BN61-01527A | - | BRACKET-PANEL SIDE | 32" ROME,SECC,T1.2,RIGHT | SNA |
| 3 | BN61-01528A | - | BRACKET-PANEL SIDE | 32" ROME,SECC,T1.2,LEFT | SNA |
| 3 | BN61-01529A | - | BRACKET-PANEL BOTTOM | 32" ROME,SECC,T1.6 | SNA |
| 3 | BN61-01530A | - | BRACKET-GUIDE POWER | 32" ROME,SECC,T1.2,RIGHT | SNA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------------|-------------------------|---|---------|
| 3 | BN61-01531A | - | BRACKET-GUIDE POWER | 32" ROME,SECC,T1.2,LEFT | SNA |
| 3 | BN61-01532A | - | BRACKET-GUIDE MAIN | 32" ROME,SECC,T1.2 | SNA |
| 3 | BN96-00589B | CIS | ASSY MISC P-INLET | NAPLES,Inlet(BN39-00494A),Bracket(BN61-00352A),Screw(6003-001010) | SNA |
| 3 | BN96-01734A | - | ASSY SHIELD P-PCB | 32" ROME,SECC,T0.5,READY(NT/PAL) | SNA |
| 4 | BN63-01677A | - | SHIELD-PCB SMPS | 32" ROME,SECC,T0.5 | SNA |
| 4 | BN63-01678A | - | SHIELD-PCB MAIN | 32" ROME,SECC,T0.5,READY(NT/PAL) | SNA |
| 2 | BN91-00826A | - | ASSY CHASSIS | RE23" | SA |
| 2 | BN92-01044V | - | ASSY LABEL | LM | SNA |
| 3 | AA68-00511C | LABEL | LABEL-00,TSXT | J 57A,T/P,75,22,SRS | SNA |
| 3 | AA68-01070A | LABEL | LABEL-01,MODEL | -,A/P,-,30,20,-,-,ALL MODEL,- | SNA |
| 3 | BN68-00614A | LABEL | LABEL RATING-00 | ALL,SS,PE,T0.05,90" 45,BLK,POLYESTER,NO SILK | SNA |
| 2 | BN92-01288A | - | ASSY ACCESSORY | ROME | SNA |
| 3 | BN96-01719S | UNIT/ACCESSORY | ASSY ACCESSORY | ROME | SA |
| 4 | 3903-00014S | ACCESSORY | CBF-POWER CORD | DT,EU,FP3/YES,U(IEC C13-RA),250/250V,10-16/10A,BLK,1830MM,-,H05VV-F 3X1.0MM² 2,FL | SA |
| 4 | 4301-000103 | ACCESSORY | BATTERY-ALKALINE | 1.5V,750mAh,AAA,10.5x44.5mm,- | SA |
| 4 | 6801-001014 | ACCESSORY | CARD-REGISTRATION | XEU,ENG,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001015 | ACCESSORY | CARD-REGISTRATION | XEG,GERMAN,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001016 | ACCESSORY | CARD-REGISTRATION | XEF,FRENCH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001017 | ACCESSORY | CARD-REGISTRATION | XEC,SPANISH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001018 | ACCESSORY | CARD-REGISTRATION | XET,ITALY,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001019 | ACCESSORY | CARD-REGISTRATION | XEN,DUTCH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001020 | ACCESSORY | CARD-REGISTRATION | XEP,PORTUGAL,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6902-000110 | ACCESSORY | BAG PE | LDPE,T0.05,L356,W240,TRP,28,2,PE MARK | SNA |
| 4 | AA39-00171A | ACCESSORY | CBF SIGNAL | -,1P,3C-2C,2100mm,-,BLK,DIN,-,-,- | SA |
| 4 | AA68-00291A | ACCESSORY | MANUAL-S/NETWORK | -,SPANISH,-,B5,W/P100G,- | SNA |
| 4 | AA68-01092B | ACCESSORY | MANUAL-S/NETWORK | ,ITA,B5,W/P100(G),1,1P | SNA |
| 4 | AA68-03242B | 00 | MANUAL-WARRANTY CARD | TH-ENG,SAFETY GUIDE | SNA |
| 4 | BN59-00455A | ACCESSORY | REMOCON | ROME,TM76B,210" 58" 21,Z,ILOG,46,G6148,EX,NT,ROME,America | SNA |
| 4 | BN63-01674A | ACCESSORY | COVER-BOTTOM | 32" ROME,ABS,V0,GR503 | SNA |
| 4 | BN68-00514A | ACCESSORY | MANUAL-03,WARRANTY CARD | PDP/LCD TV,EN,FR,DE, ETC,W/P 120g | SNA |
| 4 | BN69-00350A | ACCESSORY | BOX-00,ACCESSORY | AL29NO/AQ,CB SW-1,YEL,KSD-21,60,300,230 | SNA |
| 4 | BN96-01800A | ACCESSORY | ASSY ACCESSORY | ROME32,SCREW | SNA |
| 5 | 6002-001294 | ST+SE | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 2 | BN92-01289A | - | ASSY P/MATERIAL | RE32 | SNA |
| 3 | 6902-000379 | - | BAG AIR | HDPE,T0.2,L1800,W1000,TRP,-,PAPER | SNA |
| 3 | 6902-000519 | - | BAG PE | HDPE/NITRON(DOUBLE),T0.015/T0.05(DOUBLE),W1000,L700,TRP,28 LANGUAGE,2- | SNA |
| 3 | 6902-000604 | - | BAG WRAPPING | LDPE,T0.02,W500,L10000,TRP,-,- | SNA |
| 3 | BH69-00457B | - | PACKING-PAD BOTTOM | GH15,FOAM,T3.0,930,1000 | SNA |
| 3 | BH69-40321C | - | PACKING-EDGE | SW4/YEL,2030" 140,-,CGC5637(HP) | SNA |
| 3 | BH69-40383J | - | PACKING-PAD/TOP | CB-SW4,960" 760,-,CGE7507 | SNA |
| 3 | BN69-00617R | - | PALLET-WOODEN | ROME 32" ,WOODEN,920,770,120,2 WAY TYPE | SNA |
| 3 | BN69-00933A | - | CUSHION-SET | 32" ROME,EPS,50M | SNA |
| 2 | BN92-01290A | - | ASSY BOX | RE32EO | SNA |
| 3 | AA68-50502A | BOX | LABEL-00,CONFORMATION | W/P100(G),CTV,ITALY,170x110,BL | SNA |
| 3 | BH68-00329D | BOX | LABEL BAR CODE-01 | NO CE,NO WT Y,MPRII,LABEL-BARCODE,MOJ O 90G,90,95,WHT | SNA |
| 3 | BN69-00953A | - | BOX-SET | ROME 32" ,DW3,YEL,A-1,W900" D230" H755 | SNA |

7-3 LE40R51B Others

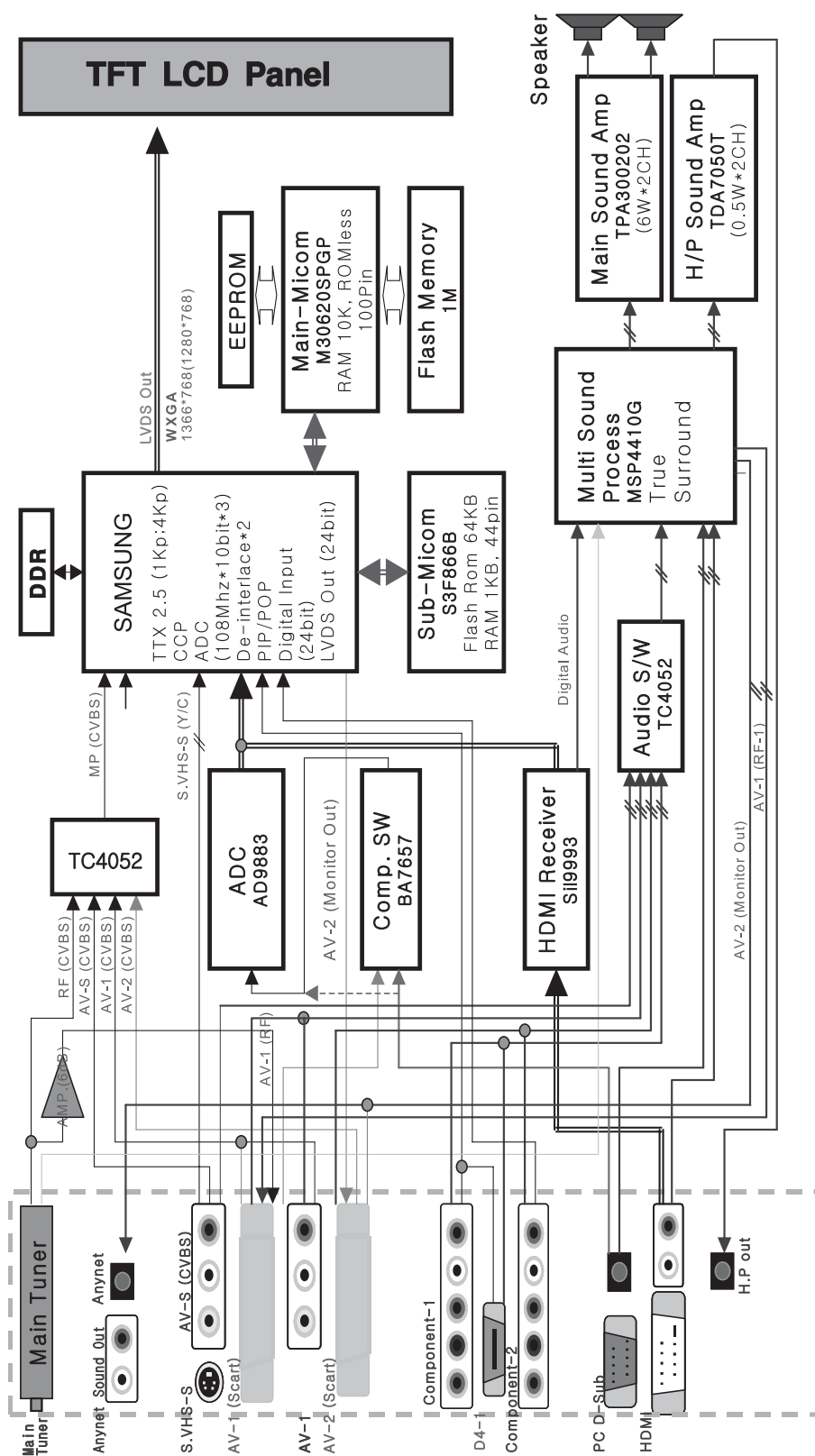
| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------|----------------------|--|---------|
| 2 | BN90-00689A | - | ASSY COVER FRONT | RE40EO | SNA |
| 3 | 6003-001003 | C/M+C/F | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | I/P+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6003-001003 | P/S+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6006-001096 | SPK+C/M | SCREW-TAPTITE | VP,BH,+,M4,0,L12,BLK,SWRCH18A | SNA |
| 3 | BN96-01793A | - | ASSY COVER P-FRONT | RE40EO,ABS HB,BK07,RHCM | SNA |
| 4 | AA61-60003A | - | SPRING ETC-CS | -,SUS304,-,OD7,N7,OD7,-,-,-,- | SNA |
| 4 | BN63-01637A | - | COVER-FRONT | 40° ROME,ABS,HB,BLK,RHCM | SNA |
| 4 | BN64-00342A | - | KNOB POWER | 40° ROME,PC,VIOLET | SNA |
| 4 | BN64-00343A | - | WINDOW-RMC | 40° ROME,PC,CLEAR | SNA |
| 4 | BN64-00346A | - | KNOB-DECORATION | 40° ROME,AL,T0.5,POWER | SNA |
| 4 | BP64-00177A | - | BADGE-BRAND | ALL,AL,T1.5,70,11.3,BLK,SILVER,SAMSUNG(G/S) | SNA |
| 3 | BN96-01794A | - | ASSY COVER P-MIDDLE | 40° ROME,ABS V0,GR70,SV-012P | SNA |
| 4 | 6003-001003 | K/C+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | BN61-01489A | - | GUIDE-CONTROL | 40° ROME,ABS+PC,GR70 | SNA |
| 4 | BN63-01638A | - | COVER-MIDDLE | 40° ROME,ABS,V0,GR503 | SNA |
| 4 | BN64-00340A | - | KNOB-DECORATION | 40° ROME,ABS+PC,GR70,CR COATING | SNA |
| 4 | BN64-00341A | - | KNOB CONTROL | 40° ROME,ABS+PC,GR70,SV012P | SNA |
| 2 | BN90-00690A | - | ASSY COVER REAR | RE40EO | SNA |
| 3 | 6002-001294 | C/R+C/M | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6003-000115 | C/J +SU | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | BN63-01653A | - | COVER-JACK | 40° ROME,ABS,V0,GR503,READY(PAL) | SNA |
| 3 | BN96-01795A | - | ASSY COVER P-REAR | 40° ROME,HIPS V0,GR503 | SNA |
| 4 | 6003-001003 | B/V+REAR | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | 6003-001003 | H/W+REAR | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 4 | BN61-01488A | - | HOLDER-WIRE | 40° ROME,ABS,HB,GR503 | SNA |
| 4 | BN61-01505A | - | BRACKET-VESA | 40° ROME,SECC,T1.6 | SNA |
| 4 | BN63-01639A | - | COVER-REAR | 40° ROME,HIPS,V0,GR503 | SNA |
| 2 | BN90-00691A | - | ASSY STAND | RE40 | SNA |
| 3 | 6002-001294 | ST+SE | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | BN96-01796A | - | ASSY STAND P-BASE | 40° ROME,ABS HB,GR70,SV-012P | SNA |
| 4 | 6002-001294 | BR+GU | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 4 | 6003-001239 | BR+CO | SCREW-TAPTITE | FH,+,B,M4,L10,ZPC(YEL),SWRCH18A | SA |
| 4 | BN61-01494A | - | GUIDE-STAND | 40° ROME,ABS | SNA |
| 4 | BN61-01506A | - | BRACKET-STAND BOTTOM | 40° ROME,SECC,T2.0 | SNA |
| 2 | BN91-00793S | - | ASSY SHIELD | NEW | SNA |
| 3 | 6002-001294 | B/L+MIDD | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6002-001294 | B/S+B/L | SCREW-TAPPING | BH,+,M4,L16,ZPC(BLK) | SA |
| 3 | 6003-000115 | AC+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | B/G+B/P | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | M/P+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | P/P+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000115 | SH+BR | SCREW-TAPTITE | BH,+,B,M3,L6,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-000133 | B/P+PA | SCREW-TAPTITE | BH,+,S,M4,L8,ZPC(BLK),SWRCH18A,- | SNA |
| 3 | 6003-001003 | BR+C/M | SCREW-TAPTITE | BH,+,B,M4,L12,ZPC(BLK),SWRCH18 | SNA |
| 3 | 6006-000245 | GROUND | SCREW-MACHINE | WSP,PH,+,M4,L8,ZPC(YEL),SWRCH1 | SNA |
| 3 | BH39-00362B | CIS | LEAD CONNECTOR | RE32° * ,UL1007# 26,5P,150mm,# 26,SMH200-05,SMH200-05,BK,1007# 26,SJ 04-01-582 | SA |
| 3 | BN39-00028G | CIS | LEAD CONNECTOR | RE40° * ,UL1007# 26,14P,200mm,# 26,SMH200-14,SMH200-14,BK,1007# 26 | SA |
| 3 | BN39-00046A | CIS | CBF-HARNESS | 3P,70MM,BLU/WHT/GRY,UL1007,AWG26,SMH250-03 | SA |
| 3 | BN39-00588B | CIS | LEAD CONNECTOR | RE32° * ,UL20276# 30,30P,300mm,# 30,FI-E30HL,12507HS-30L,BK,20276# 30,SJ 04-01-532 | SA |
| 3 | BN39-00603A | CIS | LEAD CONNECTOR | RE40° * ,UL1007# 26,UL,14P,250mm,# 26,PHR-14,SMH200-14,BK,1007# 26 | SA |
| 3 | BN39-00604A | CIS | LEAD CONNECTOR | RE40° * ,UL1007# 26,14P,600mm,# 26,PHR-14,SMH200-14,BK,1007# 26,TUBE | SA |
| 3 | BN39-00605A | CIS | LEAD CONNECTOR | RE40° * ,UL1061# 28,12/15P,400mm,# 28,12507HS-12L,12507HS-15L,BK,1061# 28 | SA |
| 3 | BN39-00606A | CIS | LEAD CONNECTOR | RE32° * ,UL1061# 28,8P/6,4P,500mm,# 26,12507HS-08L,12507HS-06L,04L,BK,1061# 28,SJ 04-0 | SA |
| 3 | BN61-01497A | - | BRACKET-GUIDE MAIN | 40° ROME,SECC,T1.2 | SNA |
| 3 | BN61-01498A | - | BRACKET-GUIDE POWER | 40° ROME,SECC,T1.2,LEFT | SNA |
| 3 | BN61-01499A | - | BRACKET-GUIDE POWER | 40° ROME,SECC,T1.2,RIGHT | SNA |
| 3 | BN61-01500A | - | BRACKET-PANEL BOTTOM | 40° ROME,SECC,T1.6 | SNA |
| 3 | BN61-01501A | - | BRACKET-PANEL SIDE | 40° ROME,SECC,T1.2,LEFT | SNA |
| 3 | BN61-01502A | - | BRACKET-PANEL SIDE | 40° ROME,SECC,T1.2,RIGHT | SNA |
| 3 | BN61-01503A | - | BRACKET-PANEL TOP | 40° ROME,SECC,T1.2 | SNA |
| 3 | BN61-01504A | - | BRACKET-STAND LINK | 40° ROME,SECC,T1.6 | SNA |
| 3 | BN61-01507A | - | BRACKET-GUIDE STAND | 40° ROME,SECC,T1.0 | SNA |
| 3 | BN96-01797A | - | ASSY SHIELD P-PCB | 40° ROME,SECC,T0.5,READY(NT/PAL) | SNA |

7 Electrical Parts List

| Level | Loc. No. | Code No. | Description | Specification | Remarks |
|-------|-------------|----------------|-------------------------|---|---------|
| 4 | BN63-01647A | - | SHIELD-PCB MAIN | 40° ROME,SECC,T0.5,READY | SNA |
| 4 | BN63-01649A | - | SHIELD-PCB SMPS | 40° ROME,SECC,T0.5 | SNA |
| 2 | BN91-00826D | - | ASSY CHASSIS | NEW | SNA |
| 2 | BN92-01044V | - | ASSY LABEL | LM | SNA |
| 3 | AA68-00511C | LABEL | LABEL-00,TSXT | J 57A,T/P,75,22,SRS | SNA |
| 3 | AA68-01070A | LABEL | LABEL-01,MODEL | -,A/P,-,30,20,-,-,ALL MODEL,- | SNA |
| 3 | BN68-00614A | LABEL | LABEL RATING-00 | ALL,SS,PE,T0.05,90° 45,BLK,POLYESTER,NO SILK | SNA |
| | BN92-01288B | - | ASSY ACCESSORY | ROME | SNA |
| 3 | BN96-01719T | UNIT/ACCESSORY | ASSY ACCESSORY | ROME | SA |
| 4 | 3903-000145 | ACCESSORY | CBF-POWER CORD | DT,EU,FP3/YES,U(IEC C13-RA),250/250V,10-16/10A,BLK,1830MM,-,H05VV-F 3X1.0MM² 2,FL | SA |
| 4 | 4301-000103 | ACCESSORY | BATTERY-ALKALINE | 1.5V,750mAh,AAA,10.5x44.5mm,- | SA |
| 4 | 6801-001014 | ACCESSORY | CARD-REGISTRATION | XEU,ENG,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001015 | ACCESSORY | CARD-REGISTRATION | XEG,GERMAN,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001016 | ACCESSORY | CARD-REGISTRATION | XEF,FRENCH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001017 | ACCESSORY | CARD-REGISTRATION | XEC,SPANISH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001018 | ACCESSORY | CARD-REGISTRATION | XET,ITALY,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001019 | ACCESSORY | CARD-REGISTRATION | XEN,DUTCH,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6801-001020 | ACCESSORY | CARD-REGISTRATION | XEP,PORTUGAL,MOJ O100,L150,W392,-,- | SNA |
| 4 | 6902-000110 | ACCESSORY | BAG PE | LDPE,T0.05,L356,W240,TRP,28,2,PE MARK | SNA |
| 4 | AA39-00171A | ACCESSORY | CBF SIGNAL | -,1P,3C-2C,2100mm,-,BLK,DIN,-,-,- | SA |
| 4 | AA68-00291A | ACCESSORY | MANUAL-S/NETWORK | -,SPANISH,-,B5,W/P100G,- | SNA |
| 4 | AA68-01092B | ACCESSORY | MANUAL-S/NETWORK | ,ITA,B5,W/P100(G),1,1P | SNA |
| 4 | AA68-03242B | 00 | MANUAL-WARRANTY CARD | TH-ENG,SAFETY GUIDE | SNA |
| 4 | BN59-00455A | ACCESSORY | REMOCON | ROME,TM76B,210° 58° 21,ZILOG,46,G6148,EX,NT,ROME,America | SNA |
| 4 | BN63-01640A | ACCESSORY | COVER-BOTTOM | 40° ROME,ABS,V0,GR503 | SNA |
| 4 | BN68-00514A | ACCESSORY | MANUAL-03,WARRANTY CARD | PDP/LCD TV,EN,FR,DE, ETC,W/P 120g | SNA |
| 4 | BN69-00350A | ACCESSORY | BOX-00,ACCESSORY | AL29NO/AO,CB SW-1,YEL,KSD-21,60,300,230 | SNA |
| 2 | BN92-01291A | - | ASSY P/MATERIAL | RE40 | SNA |
| 3 | 6902-000061 | - | BAG AIR | LDPE,T0.2,L1000,W500,TRP,,, | SNA |
| 3 | 6902-000379 | - | BAG AIR | HDPE,T0.2,L1800,W1000,TRP,,,PAPER | SNA |
| 3 | 6902-000524 | - | BAG PE | HDPE(NITRON(DOUBLE),T0.015/T0.05(DOUBLE)),W1200,L1200,TRP,28 LANGUAGE,2- | SNA |
| 3 | 6902-000604 | - | BAG WRAPPING | LDPE,T0.02,W500,L10000,TRP,-,- | SNA |
| 3 | AA61-20285A | - | HOLDER-BOX | 3456,PP,-,-,WHT,V0 | SNA |
| 3 | AA69-02609A | - | BAND-PP | W18,CLEA,1G | SNA |
| 3 | BH69-00457B | - | PACKING-PAD BOTTOM | GH15,FOAM,T3.0,930,1000 | SNA |
| 3 | BH69-40321B | - | PACKING-PAD | SW4/YEL,W1960° L140,-,CQM4307/C | SNA |
| 3 | BH69-40358A | - | PACKING-PAD TOP(SKD) | CB-SW4,W815° L1154,200G,CQM5307 | SNA |
| 3 | BN69-00617Q | - | PALLET-WOODEN | ROME 40° ,WOODEN,1120,850,120,2 WAY TYPE | SNA |
| 3 | BN69-00931A | - | CUSHION-SET | 40° ROME,EPP,50M | SNA |
| 2 | BN92-01292A | - | ASSY BOX | RE40EO | SNA |
| 3 | AA68-50502A | BOX | LABEL-00,CONFORMATION | W/P100(G),CTV,ITALY,170x110,BL | SNA |
| 3 | AA68-50509A | - | LABEL-00,BOX | ALL MODEL,A/P 90(G),250,90 | SNA |
| 3 | BN69-00943A | - | BOX-SET,IN | ROME 40° ,DW3,YEL,C-3,W1085° D388° H325 | SNA |
| 3 | BN69-00944A | - | BOX-SET,OUT | ROME 40° ,DW3,YEL,C-3,W1104° D407° H928 | SNA |

8 Block Diagram

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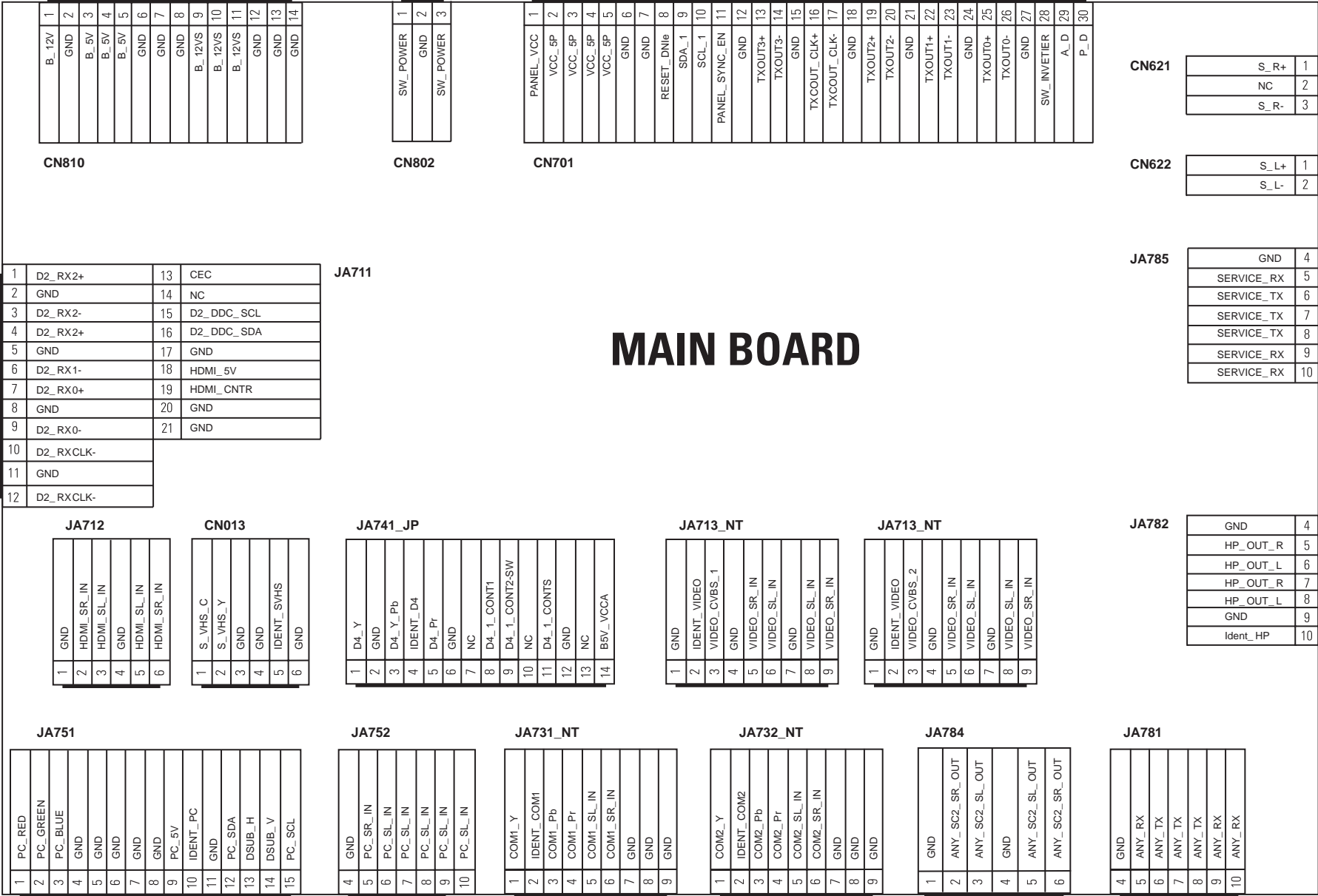


8 Block Diagrams

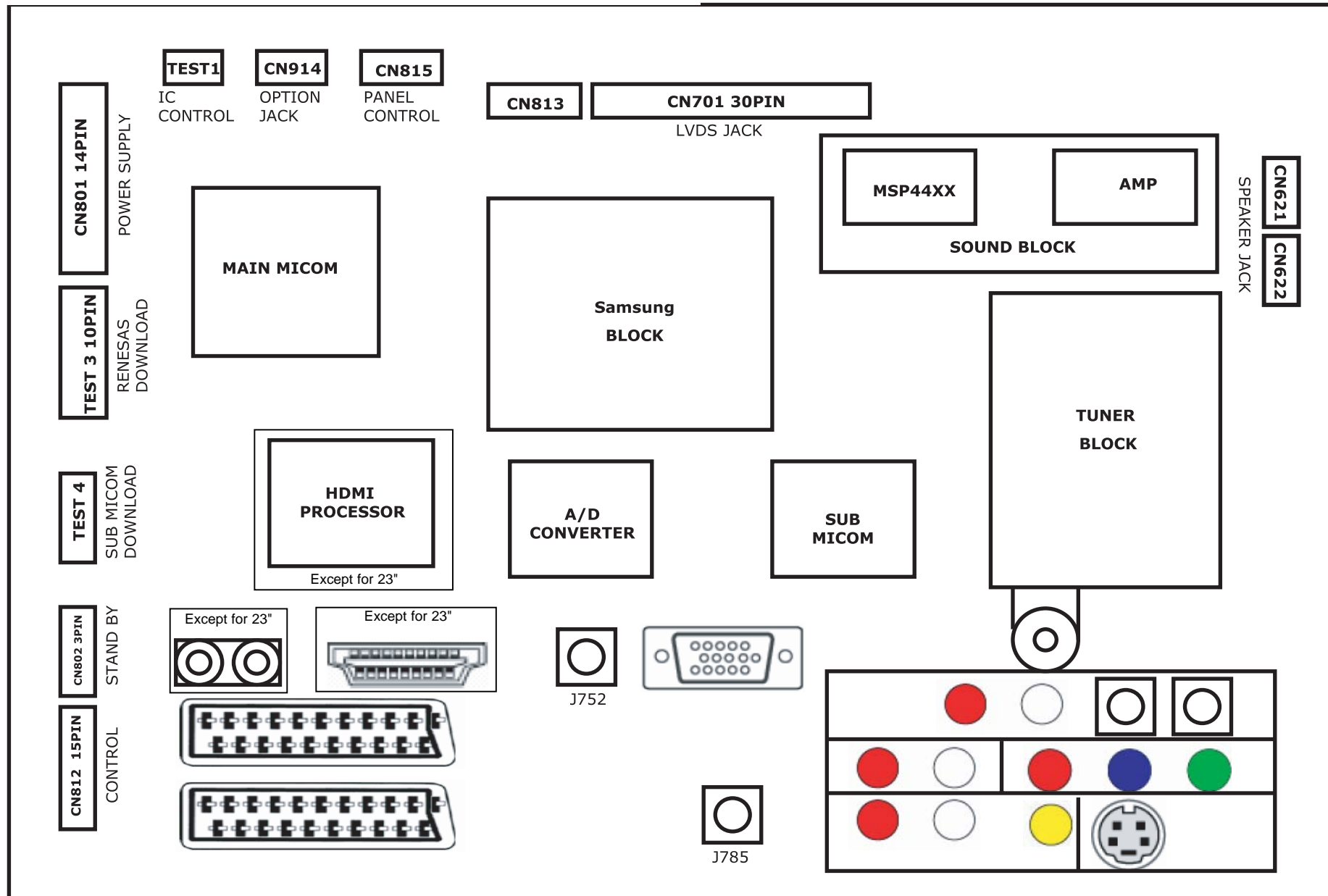
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9 Wiring Diagram

9-1 LE23R51B, LE26R51B,LE32R51B,LE40R51B Wiring Diagram



9-2 Main Board Layout



9-2 PIN characteristic

CN801- Main Board power supply

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------|-----|-----|----|----|----|-----|-----|-----|------|------|------|-----|-----|-----|
| NAME | 12V | GND | 5V | 5V | 5V | GND | GND | GND | 12VS | 12VS | 12VS | GND | GND | GND |

FUNCTIONING DEFINE:

-- 12V B5V_VCCA B5V_VCCB IC611 POWER SUPPLY
 -- 5V B5V B3.3V B2.5V_VDD B3.3VD VCC50
 -- 12VS B12VS

CN802-stand by supply

| PIN | 1 | 2 | 3 |
|---------|-------|-----|----------|
| NAME | POWER | GND | SW_POWER |
| VOLTAGE | 6V | 0V | ON/OFF |

FUNCTIONING DEFINE:

-- POWER 6V STAND BY 5V , Sub-MICOM power supply
 -- SW_POWER L: Power OFF , H: Power ON

CN621/CN622-SPEAKER CONNECTOR

| PIN | 1 | 2 | 3 |
|------|-------|-----|-------------|
| NAME | R-OUT | NOP | R-REFERENCE |

| PIN | 1 | 2 |
|------|-------|-------------|
| NAME | L-OUT | L-REFERENCE |

CN812-Front control

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|------|-----|-----|-----|---|------------|------------|-----|---|----|----|-----------|---------|-----|-----|-----|
| NAME | GND | GND | A5V | - | KEY INPUT1 | KEY INPUT2 | GND | - | IR | - | LED_GREEN | LED_RED | GND | SDA | SCL |

FUNCTIONING DEFINE:

-- A5V Front control board power supply
 -- KEY INPUT1,2/SDA/SCL key control, form the Menu , channel up/down Etc.
 -- IR remote control signal
 -- LED_GREEN/LED_RED control the timing and standby LED color

CN815-panel control

| PIN | 1 | 2 | 3 | 4 | 5 |
|------|-------------|-------------|-------------|-----|--------------|
| NAME | SW_inverter | Ana_dimming | PWM_dimming | GND | SENSOR POWER |

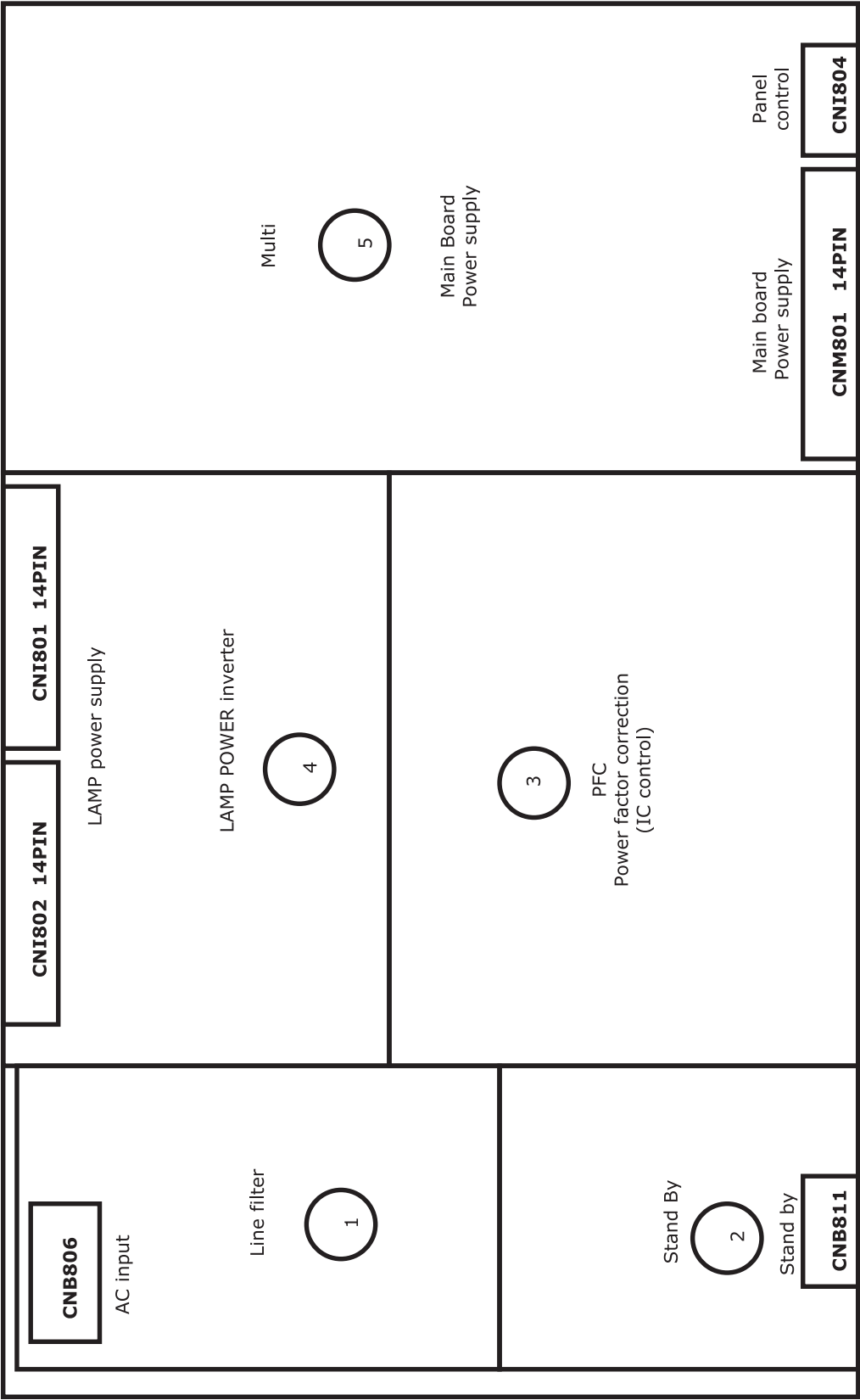
FUNCTIONING DEFINE:

-- SW_inverter panel inverter control, about 5V
 -- Ana_dimming panel dimming control
 -- PWM_dimming panel PWM control, duty 40%~90%
 -- SENSOR POWER brightness sensor power supply

CN702-LVDS Signal

| PIN | NAME | PIN | NAME |
|-----|---------------|-----|-------------|
| 1 | VCC | 16 | TXOUTCLK+ |
| 2 | VCC5P | 17 | TXOUTCLK- |
| 3 | VCC5P | 18 | GND |
| 4 | VCC5P | 19 | TXOUT2+ |
| 5 | VCC5P | 20 | TXOUT2- |
| 6 | GND | 21 | GND |
| 7 | GND | 22 | TXOUT1+ |
| 8 | NOP (NOT USE) | 23 | TXOUT1- |
| 9 | SDA1 | 24 | GND |
| 10 | SCL1 | 25 | TXOUT0+ |
| 11 | PANEL_SYNC_EN | 26 | TXOUT0- |
| 12 | GND | 27 | GND |
| 13 | TXOUT3+ | 28 | SW_INVERTER |
| 14 | TXOUT3- | 29 | ANA_DIMMING |
| 15 | GND | 30 | PWM_DIMMING |

9-3 Power Board Layout



9 Wiring Diagrams

CNB811-stand by supply

| | | | |
|---------|-------|-----|----------|
| PIN | 1 | 2 | 3 |
| NAME | POWER | GND | SW_POWER |
| VOLTAGE | 6V | 0V | ON/OFF |

FUNCTING DEFINE:

Refer to: CN802 function define

CNM801- Main Board power supply

| | | | | | | | | | | | | | | |
|------|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| NAME | 12V | GND | 5V | 5V | 5V | GND | GND | GND | 12V | 12V | 12V | GND | GND | GND |

FUNCTING DEFINE:

Refer to: CN801 function define

CNI804-panel control

| | | | | | |
|------|-------------|-------------|-------------|-----|--------------|
| PIN | 1 | 2 | 3 | 4 | 5 |
| NAME | SW_inverter | Ana_dimming | PWM_dimming | GND | SENSOR POWER |

FUNCTING DEFINE:

Refer to: CN815 function define

CNI801- Main Board power supply

| | | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| NAME | 24V | 24V | 24V | 24V | 24V | GND | GND | GND | GND | GND | GND | B/L | A_D | P_D |

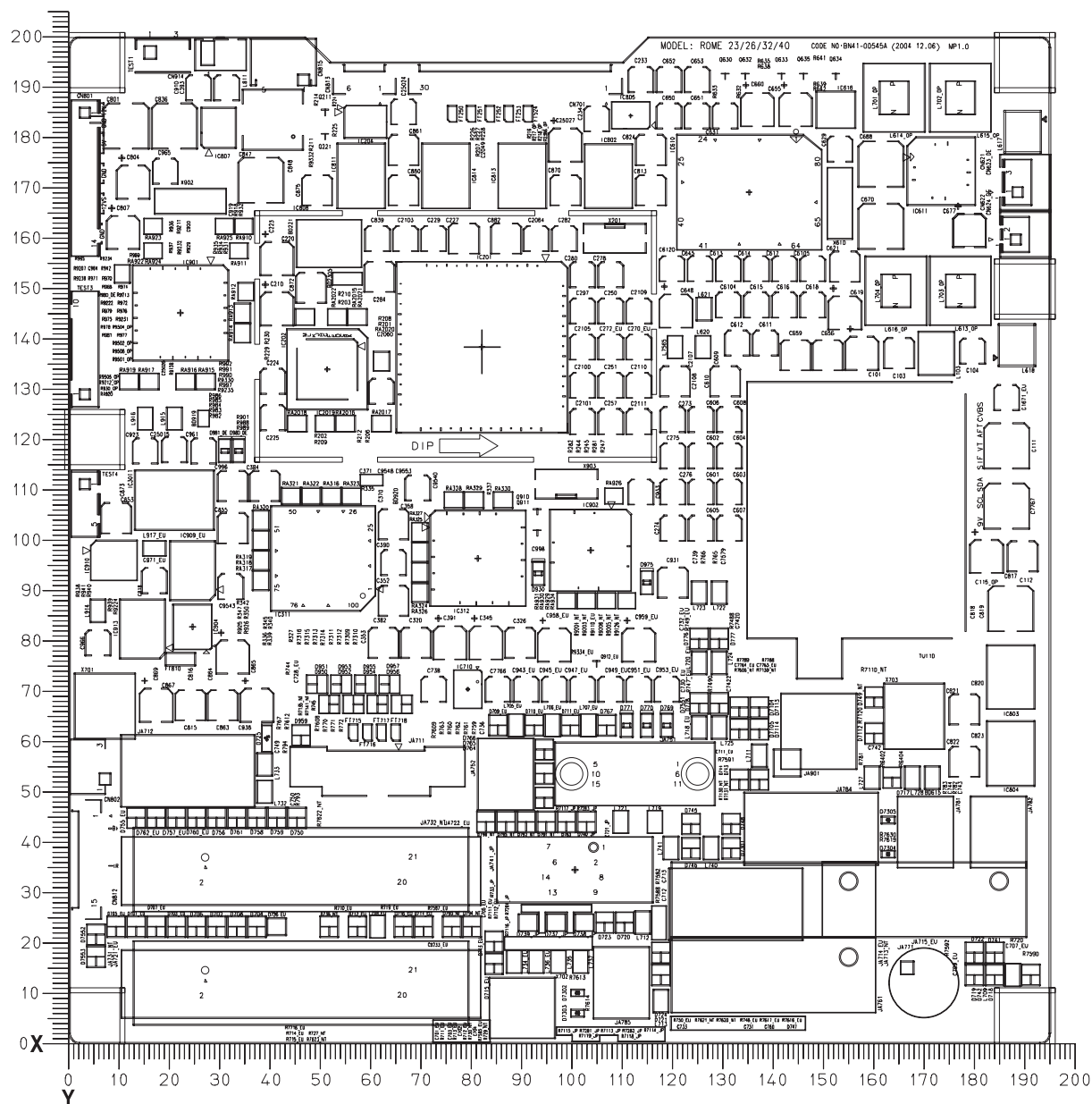
FUNCTING DEFINE:

--24V LAMP INVERTER Voltage

--B/L Brightness sensor power

--A_D ANA_DIMMING

--P_D PWM_DIMMING



10 PCB Layout

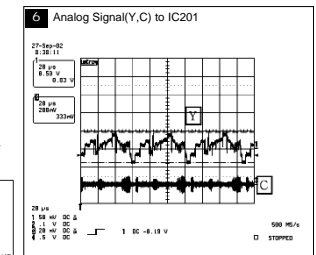
| Loc. No. | Description | | | Loc. No. | Description | | | Loc. No. | Description | | | Loc. No. | Description | | | Loc. No. | Description | | |
|----------|-----------------|-------|-------|----------|-----------------|-------|------|----------|-----------------|-------|-------|------------|-----------------|-------|-------|----------|-----------------|-------|-------|
| DIODE | | | | | | | | | | | | IC | | | | | | | |
| D101 | DIODE-SWITCHING | 175.2 | 138.4 | D723 | DIODE-ZENER | 106.4 | 24.0 | D772 | DIODE-ZENER | 129.2 | 93.6 | D990 | DIODE-ZENER | 5.2 | 44.8 | Q1212_EU | TR-SMALL SIGNAL | 186.8 | 123.6 |
| D102 | DIODE-ZENER | 166.0 | 118.4 | D724 | DIODE-ZENER | 117.6 | 18.0 | D773 | DIODE-ZENER | 129.2 | 89.2 | | | | | Q211 | TR-SMALL SIGNAL | 50.8 | 185.6 |
| D210 | DIODE-ZENER | 99.0 | 130.8 | D725 | DIODE-ZENER | 39.2 | 60.6 | D774 | DIODE-ZENER | 125.2 | 89.2 | | | | | Q212_EU | TR-SMALL SIGNAL | 100.4 | 136.8 |
| D211 | DIODE-ZENER | 100.2 | 146.6 | D726_EU | DIODE-ZENER | 41.2 | 23.2 | D775 | DIODE-ZENER | 125.2 | 93.6 | | | | | Q213_EU | TR-SMALL SIGNAL | 107.6 | 140.8 |
| D212 | DIODE-ZENER | 105.8 | 145.6 | D727_EU | DIODE-ZENER | 41.8 | 45.6 | D776 | DIODE-ZENER | 125.2 | 80.4 | | | | | Q214_EU | TR-SMALL SIGNAL | 107.6 | 136.8 |
| D213 | DIODE-ZENER | 104.2 | 130.8 | D7301 | DIODE-ZENER | 131.6 | 38.8 | D777 | DIODE-ZENER | 129.2 | 80.4 | | | | | Q215 | TR-SMALL SIGNAL | 124.8 | 149.8 |
| D214 | DIODE-ZENER | 109.4 | 130.8 | D7302 | DIODE-TVS | 101.0 | 10.0 | D778 | DIODE-ZENER | 129.2 | 67.6 | | | | | Q216 | TR-SMALL SIGNAL | 124.8 | 144.8 |
| D215 | DIODE-ZENER | 108.8 | 145.6 | D7303 | DIODE-TVS | 101.0 | 6.0 | D779 | DIODE-ZENER | 164.4 | 53.2 | | | | | Q221 | TR-SMALL SIGNAL | 50.8 | 180.8 |
| D216 | DIODE-ZENER | 102.4 | 123.2 | D7304 | DIODE-TVS | 162.8 | 37.6 | D780 | DIODE-ZENER | 176.4 | 53.2 | | | | | Q3004_EU | TR-SMALL SIGNAL | 8.8 | 89.6 |
| D217 | DIODE-ZENER | 107.6 | 122.8 | D7305 | DIODE-TVS | 162.8 | 44.4 | D781 | DIODE-ZENER | 172.4 | 53.2 | | | | | Q608 | TR-SMALL SIGNAL | 138.4 | 187.2 |
| D617 | DIODE-ZENER | 138.4 | 191.6 | D736_NT | DIODE-ZENER | 51.6 | 23.2 | D782 | DIODE-ZENER | 168.4 | 53.2 | | | | | Q610 | TR-SMALL SIGNAL | 148.8 | 186.8 |
| D620 | DIODE-ZENER | 160.0 | 172.8 | D737_J_P | DIODE-ZENER | 96.8 | 24.0 | D791_NT | DIODE-SWITCHING | 94.8 | 44.0 | | | | | Q611 | TR-SMALL SIGNAL | 128.0 | 168.8 |
| D621 | DIODE-ZENER | 144.0 | 187.0 | D738_J_P | DIODE-ZENER | 102.4 | 24.0 | D792_NT | DIODE-SWITCHING | 90.8 | 44.0 | | | | | Q612 | TR-SMALL SIGNAL | 128.0 | 164.8 |
| D622 | DIODE-ARRAY | 144.0 | 191.6 | D739_J_P | DIODE-ZENER | 91.2 | 24.0 | D793_NT | DIODE-SWITCHING | 76.0 | 23.2 | | | | | Q615 | TR-SMALL SIGNAL | 132.8 | 191.6 |
| D701_EU | DIODE-ZENER | 13.2 | 23.2 | D740_J_P | DIODE-ZENER | 102.8 | 44.0 | D794_NT | DIODE-ZENER | 80.0 | 23.2 | | | | | Q620 | TR-SMALL SIGNAL | 152.8 | 191.6 |
| D702 | DIODE-ZENER | 29.2 | 23.2 | D741 | DIODE-SWITCHING | 184.0 | 18.0 | D795_NT | DIODE-SWITCHING | 86.8 | 44.0 | | | | | Q630 | TR-SMALL SIGNAL | 130.4 | 192.8 |
| D703_EU | DIODE-ZENER | 21.2 | 23.2 | D742 | DIODE-SWITCHING | 184.0 | 13.6 | D796_NT | DIODE-SWITCHING | 82.8 | 44.0 | | | | | Q631 | TR-SMALL SIGNAL | 127.2 | 191.6 |
| D704 | DIODE-ZENER | 37.2 | 23.2 | D743 | DIODE-ZENER | 137.2 | 52.4 | D812 | DIODE-RECTIFIER | 35.4 | 182.4 | | | | | Q632 | TR-SMALL SIGNAL | 134.4 | 192.8 |
| D705_EU | DIODE-ZENER | 9.2 | 23.2 | D744 | DIODE-ZENER | 133.2 | 52.4 | D901 | DIODE-ZENER | 32.4 | 110.8 | | | | | Q633 | TR-SMALL SIGNAL | 141.6 | 192.8 |
| D706 | DIODE-ZENER | 25.2 | 23.2 | D745 | DIODE-ZENER | 123.6 | 43.6 | D911 | DIODE-ARRAY | 85.2 | 70.4 | | | | | Q634 | TR-SMALL SIGNAL | 152.4 | 192.8 |
| D707_EU | DIODE-ZENER | 17.2 | 23.2 | D746 | DIODE-ZENER | 123.6 | 38.8 | D912 | DIODE-ARRAY | 67.2 | 72.2 | | | | | Q635 | TR-SMALL SIGNAL | 146.0 | 192.8 |
| D708 | DIODE-ZENER | 33.2 | 23.2 | D747 | " C-CER.CHIP" | 128.4 | 42.8 | D930 | DIODE-ZENER | 93.2 | 93.4 | | | | | Q801 | TR-SMALL SIGNAL | 101.6 | 177.0 |
| D709_EU | DIODE-SWITCHING | 85.2 | 63.2 | D748 | DIODE-ZENER | 131.6 | 43.6 | D950 | DIODE-SWITCHING | 51.6 | 67.4 | | | | | Q802 | TR-SMALL SIGNAL | 113.6 | 177.0 |
| D710_EU | DIODE-SWITCHING | 92.4 | 63.2 | D749_NT | DIODE-ZENER | 160.0 | 68.8 | D951 | DIODE-SWITCHING | 49.2 | 71.4 | | | | | Q803 | TR-SMALL SIGNAL | 4.8 | 84.8 |
| D7102 | DIODE-SWITCHING | 76.0 | 45.6 | D750 | DIODE-ZENER | 45.2 | 44.8 | D952 | DIODE-SWITCHING | 56.4 | 67.4 | | | | | Q910 | TR-SMALL SIGNAL | 93.0 | 106.2 |
| D7103 | DIODE-SWITCHING | 76.0 | 50.0 | D751 | DIODE-ZENER | 42.6 | 71.8 | D953 | DIODE-SWITCHING | 54.0 | 71.4 | | | | | Q911 | TR-SMALL SIGNAL | 93.0 | 102.0 |
| D7104 | DIODE-SWITCHING | 133.2 | 66.8 | D752 | DIODE-ZENER | 42.6 | 67.0 | D954 | DIODE-SWITCHING | 61.2 | 67.4 | | | | | Q912_EU | TR-SMALL SIGNAL | 104.8 | 76.0 |
| D7105 | DIODE-SWITCHING | 133.2 | 62.4 | D753_EU | DIODE-ZENER | 76.0 | 54.4 | D955 | DIODE-SWITCHING | 58.8 | 71.4 | | | | | Q914 | FET-SILICON | 12.8 | 117.6 |
| D7108 | DIODE-ZENER | 46.0 | 50.4 | D754_EU | DIODE-ZENER | 76.0 | 58.8 | D956 | DIODE-SWITCHING | 66.0 | 67.4 | | | | | Q915 | FET-SILICON | 16.8 | 117.6 |
| D7109 | DIODE-ZENER | 46.0 | 56.0 | D755_EU | DIODE-ZENER | 13.2 | 44.8 | D957 | DIODE-SWITCHING | 63.6 | 71.4 | | | | | Q918 | TR-SMALL SIGNAL | 19.2 | 167.2 |
| D711_EU | DIODE-SWITCHING | 99.6 | 63.2 | D7551 | DIODE-ZENER | 125.2 | 67.6 | D958 | DIODE-ZENER | 46.0 | 61.2 | | | | | Q920 | FET-SILICON | 16.8 | 109.6 |
| D7110 | DIODE-ZENER | 42.0 | 50.4 | D7552 | DIODE-ZENER | 5.2 | 21.6 | D959 | DIODE-ZENER | 48.0 | 61.2 | | | | | Q921 | FET-SILICON | 12.8 | 109.6 |
| D7111 | DIODE-ZENER | 42.0 | 56.0 | D7553 | DIODE-ZENER | 5.2 | 17.2 | D960 | DIODE-ZENER | 42.0 | 61.2 | | | | | Q922 | FET-SILICON | 143.5 | 182.1 |
| D7112 | DIODE-ZENER | 160.0 | 61.6 | D756 | DIODE-ZENER | 29.2 | 44.8 | D961 | DIODE-ZENER | 66.6 | 66.4 | | | | | Q923 | FET-SILICON | 139.8 | 182.1 |
| D7113 | DIODE-SWITCHING | 137.2 | 66.8 | D757_EU | DIODE-ZENER | 21.2 | 44.8 | D962 | DIODE-ZENER | 48.0 | 69.0 | | | | | Q930 | TR-SMALL SIGNAL | 12.8 | 83.6 |
| D7114 | DIODE-SWITCHING | 137.2 | 62.4 | D758 | DIODE-ZENER | 37.2 | 44.8 | D963 | DIODE-ARRAY | 112.6 | 98.6 | | | | | Q931 | TR-SMALL SIGNAL | 152.8 | 186.8 |
| D712_EU | DIODE-SWITCHING | 57.2 | 23.2 | D759 | DIODE-ZENER | 41.2 | 44.8 | D964 | DIODE-ARRAY | 112.6 | 103.0 | | | | | Q952 | TR-SMALL SIGNAL | 77.6 | 70.4 |
| D713_EU | DIODE-ZENER | 84.4 | 20.2 | D760_EU | DIODE-ZENER | 25.2 | 44.8 | D971 | DIODE-ZENER | 5.2 | 35.0 | | | | | Q960 | FET-SILICON | 19.2 | 171.6 |
| D714_EU | DIODE-ZENER | 70.4 | 23.2 | D761 | DIODE-ZENER | 33.2 | 44.8 | D972 | DIODE-ZENER | 5.2 | 39.2 | | | | | Q970 | TR-SMALL SIGNAL | 22.4 | 94.4 |
| D715_EU | DIODE-ZENER | 84.4 | 15.8 | D762_EU | DIODE-ZENER | 17.2 | 44.8 | D973 | DIODE-ZENER | 5.2 | 21.4 | | | | | | | | |
| D716_EU | DIODE-ZENER | 66.4 | 23.2 | D763 | DIODE-ZENER | 98.8 | 44.0 | D974 | DIODE-ZENER | 5.2 | 16.8 | | | | | | | | |
| D717 | DIODE-ZENER | 163.6 | 52.8 | D764 | DIODE-ZENER | 94.4 | 48.8 | D975 | DIODE-ZENER | 114.8 | 91.6 | | | | | | | | |
| D718 | DIODE-ZENER | 191.2 | 13.6 | D765 | DIODE-ZENER | 94.4 | 53.6 | D976 | DIODE-ZENER | 106.0 | 88.0 | | | | | | | | |
| D719 | DIODE-SWITCHING | 180.0 | 13.6 | D766 | DIODE-ZENER | 94.4 | 58.4 | D977 | DIODE-ARRAY | 106.0 | 88.0 | | | | | | | | |
| D720 | DIODE-ZENER | 110.4 | 24.0 | D767 | DIODE-ZENER | 106.8 | 63.2 | D980_DE | DIODE-ZENER | 33.6 | 117.8 | | | | | | | | |
| D721 | DIODE-ZENER | 117.6 | 13.6 | D768 | DIODE-ZENER | 118.8 | 63.2 | D981_DE | DIODE-ZENER | 30.8 | 117.8 | | | | | | | | |
| D722 | DIODE-SWITCHING | 180.0 | 18.0 | D770 | DIODE-ZENER | 114.8 | 63.2 | D982_DE | DIODE-ZENER | 147.3 | 182.1 | | | | | | | | |
| | | | | D771 | DIODE-ZENER | 110.8 | 63.2 | D983_DE | DIODE-ZENER | 136.0 | 182.1 | | | | | | | | |
| | | | | | | | | | | | | TRANSISTOR | | | | | | | |
| | | | | | | | | | | | | Q100 | TR-SMALL SIGNAL | 165.6 | 137.2 | | | | |
| | | | | | | | | | | | | Q1210_EU | TR-SMALL SIGNAL | 186.8 | 128.4 | | | | |
| | | | | | | | | | | | | Q1211_EU | TR-SMALL SIGNAL | 190.8 | 128.4 | | | | |

11-1 Power_Sound Schematic Diagram



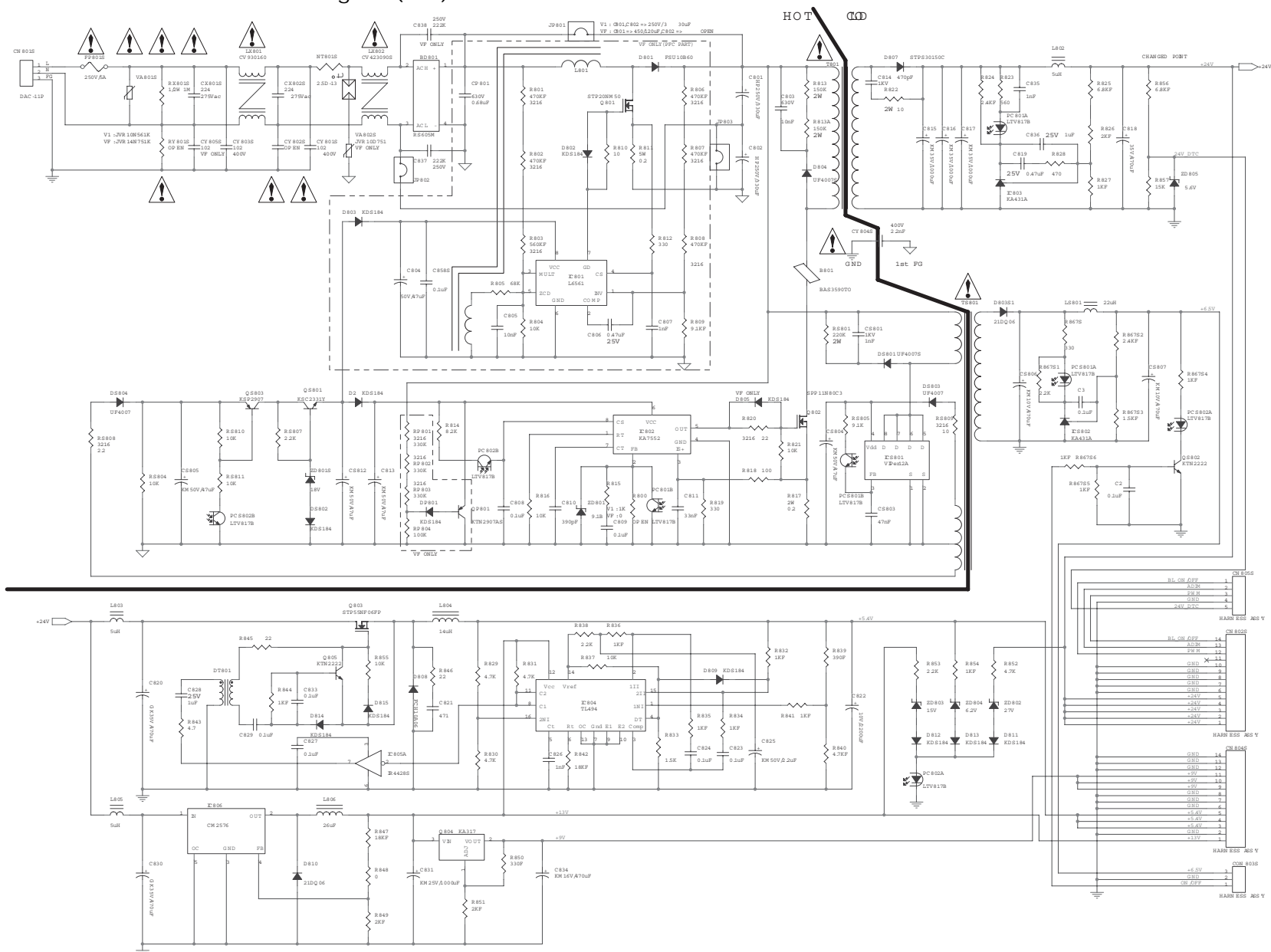




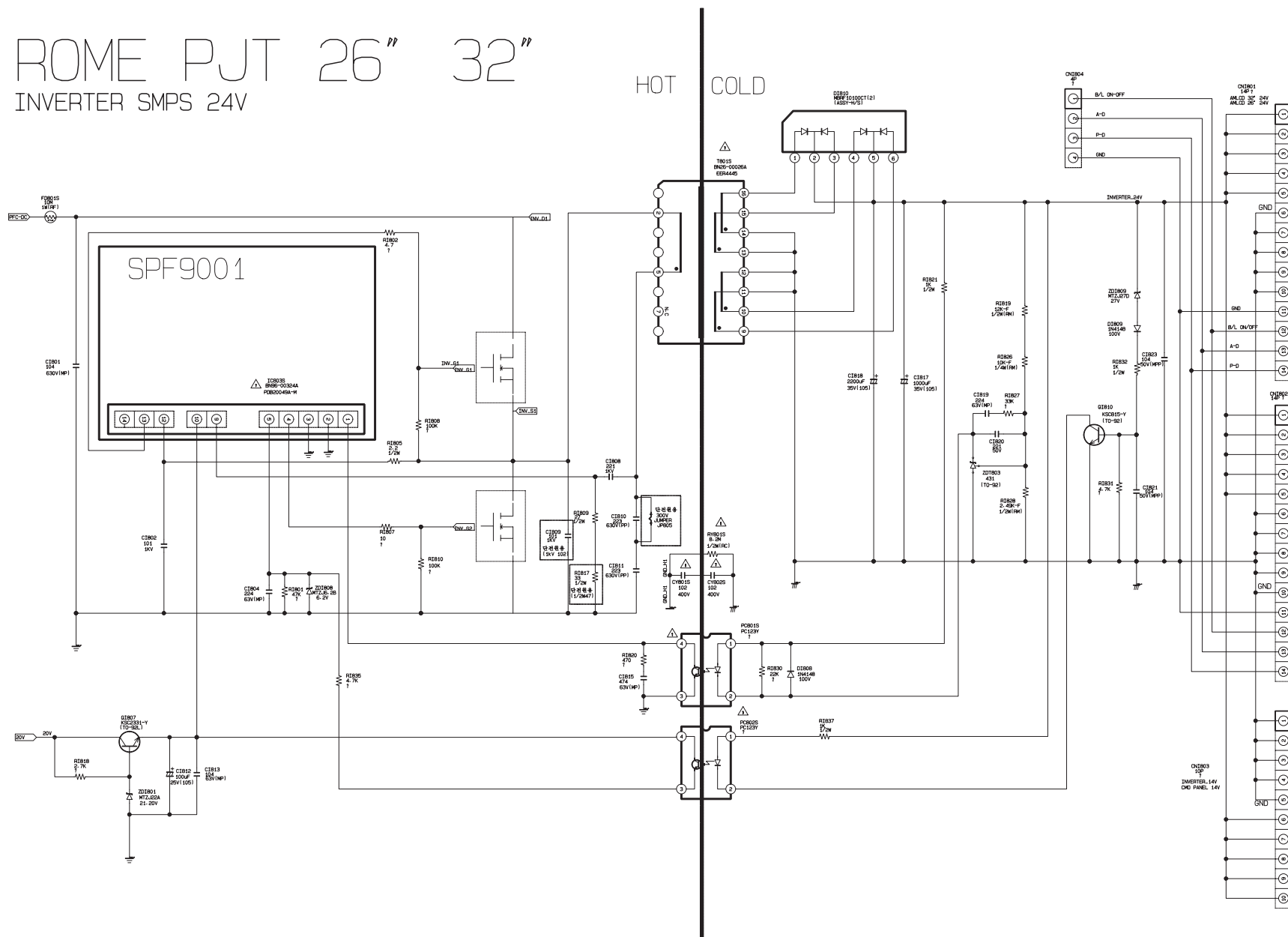


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11-5 LCD23VFAX Schematic Diagram(23")



ROME PJT 26" 32"
INVERTER SMPS 24V

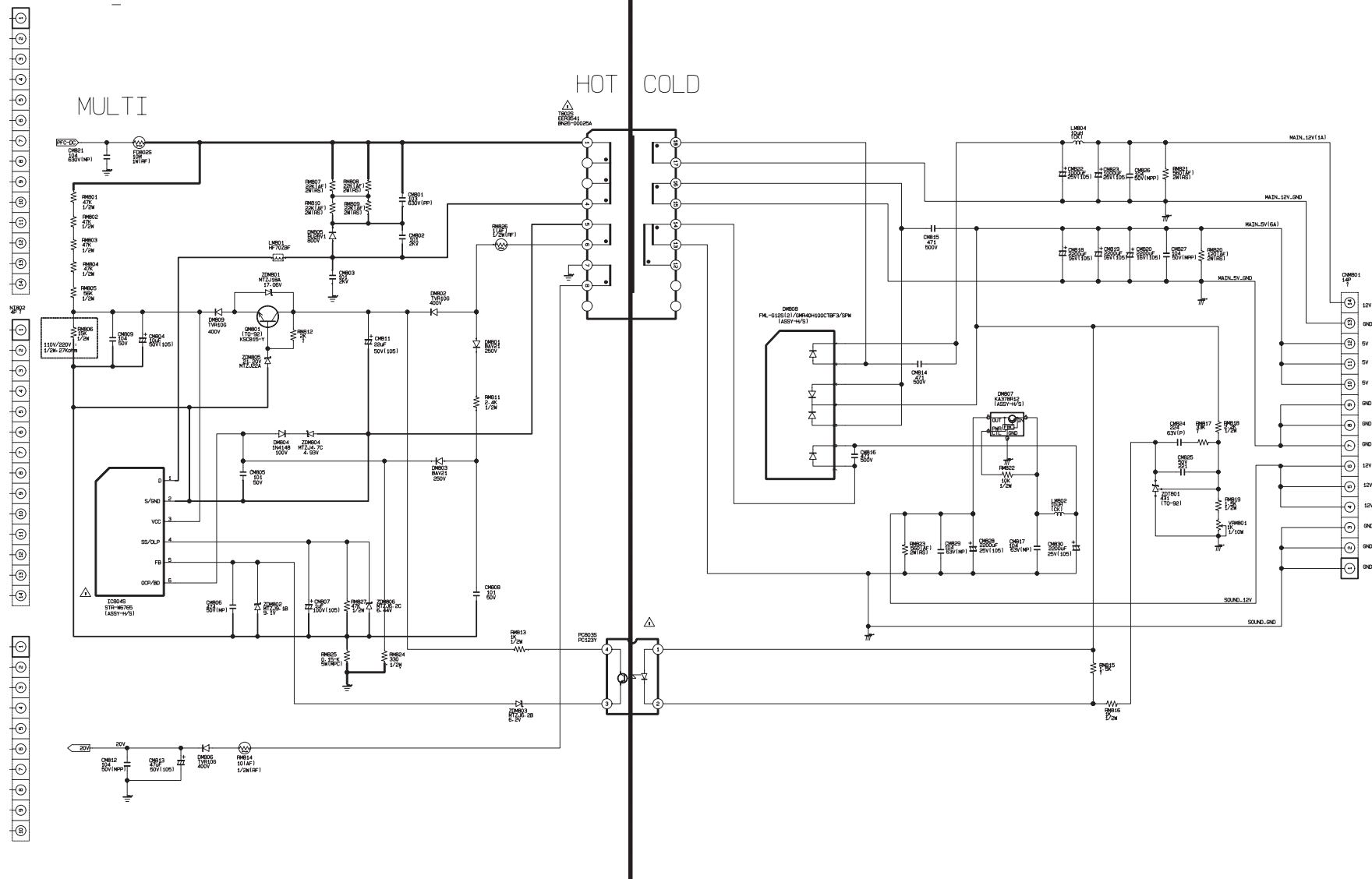


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11-7 MULTI_SMPS Schematic Diagram(26", 32")

ROME PJT 26" 32"

MULTT-SMPS



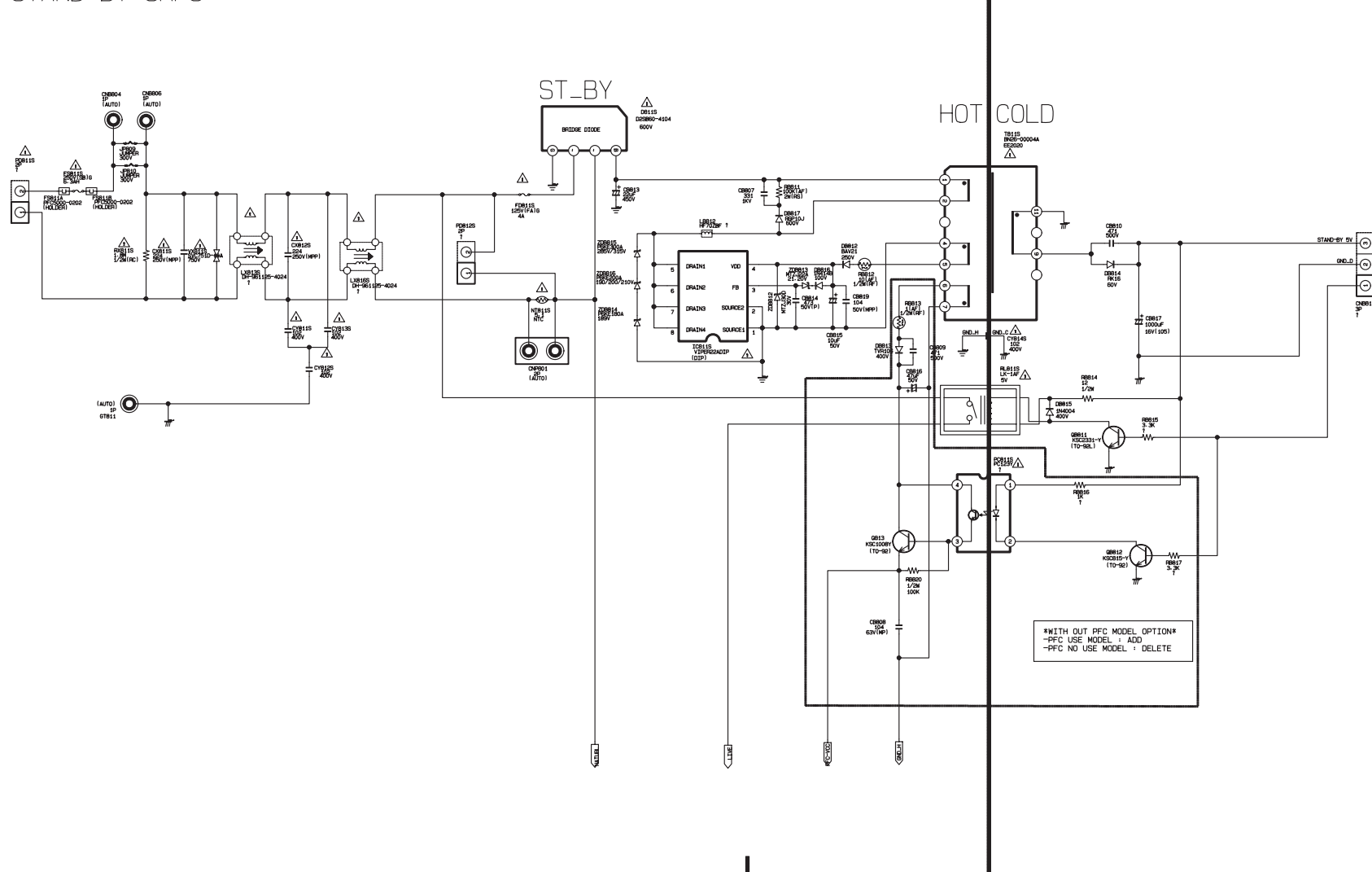
ROME PJT 26'' 32''
PFC-CONTROL SMPS



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11-9 STAND BY SMPS Schematic Diagram(26", 32")

ROME PJT 26'' 32''
STAND-BY SMPS



Last Modified Date : 2004.09.21

Last Modified Date : 2004.09.21
 FREE VOLT 40^{PP}
 INVERTER SMPS

The schematic diagram illustrates the internal circuitry of a 'FREE VOLT 40' Inverter SMPS. Key components and sections include:

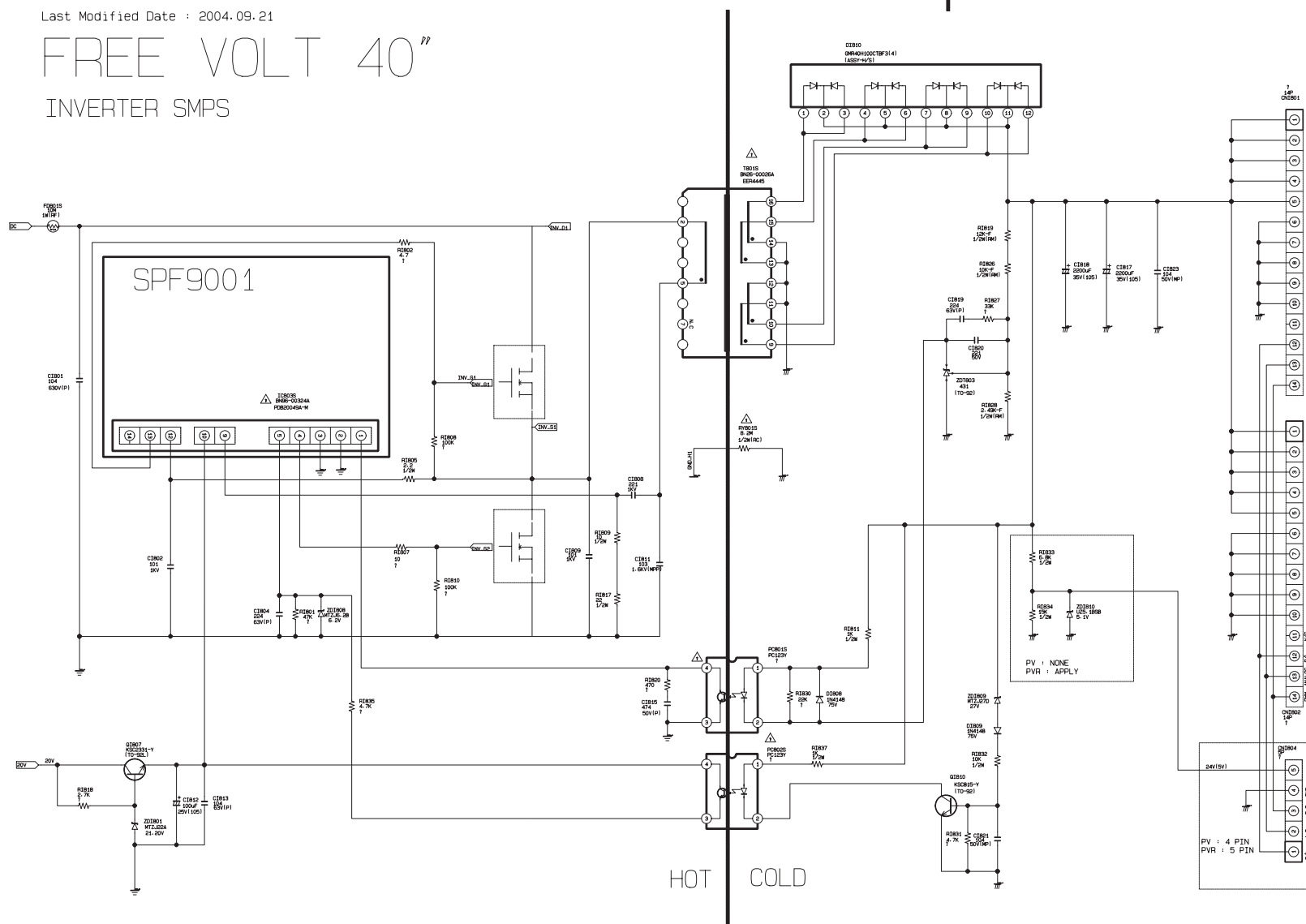
- Power Input:** A 20V source connected to a 20V/20A diode and a 20V/20A capacitor.
- Switching Stage:** A MOSFET (20T001) driving a transformer (20T002) with a 20V/20A secondary.
- Output Stage:** A full-bridge rectifier using four diodes (20T003, 20T004, 20T005, 20T006) connected to a 20V/20A output.
- Feedback Loop:** A network of resistors (R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1019, R1020, R1021, R1022, R1023, R1024, R1025, R1026, R1027, R1028, R1029, R1030, R1031, R1032, R1033, R1034, R1035, R1036, R1037, R1038, R1039, R1040, R1041, R1042, R1043, R1044, R1045, R1046, R1047, R1048, R1049, R1050, R1051, R1052, R1053, R1054, R1055, R1056, R1057, R1058, R1059, R1060, R1061, R1062, R1063, R1064, R1065, R1066, R1067, R1068, R1069, R1070, R1071, R1072, R1073, R1074, R1075, R1076, R1077, R1078, R1079, R1080, R1081, R1082, R1083, R1084, R1085, R1086, R1087, R1088, R1089, R1090, R1091, R1092, R1093, R1094, R1095, R1096, R1097, R1098, R1099, R1100, R1101, R1102, R1103, R1104, R1105, R1106, R1107, R1108, R1109, R1110, R1111, R1112, R1113, R1114, R1115, R1116, R1117, R1118, R1119, R1120, R1121, R1122, R1123, R1124, R1125, R1126, R1127, R1128, R1129, R1130, R1131, R1132, R1133, R1134, R1135, R1136, R1137, R1138, R1139, R1140, R1141, R1142, R1143, R1144, R1145, R1146, R1147, R1148, R1149, R1150, R1151, R1152, R1153, R1154, R1155, R1156, R1157, R1158, R1159, R1160, R1161, R1162, R1163, R1164, R1165, R1166, R1167, R1168, R1169, R1170, R1171, R1172, R1173, R1174, R1175, R1176, R1177, R1178, R1179, R1180, R1181, R1182, R1183, R1184, R1185, R1186, R1187, R1188, R1189, R1190, R1191, R1192, R1193, R1194, R1195, R1196, R1197, R1198, R1199, R1200, R1201, R1202, R1203, R1204, R1205, R1206, R1207, R1208, R1209, R1210, R1211, R1212, R1213, R1214, R1215, R1216, R1217, R1218, R1219, R1220, R1221, R1222, R1223, R1224, R1225, R1226, R1227, R1228, R1229, R1230, R1231, R1232, R1233, R1234, R1235, R1236, R1237, R1238, R1239, R1240, R1241, R1242, R1243, R1244, R1245, R1246, R1247, R1248, R1249, R1250, R1251, R1252, R1253, R1254, R1255, R1256, R1257, R1258, R1259, R1260, R1261, R1262, R1263, R1264, R1265, R1266, R1267, R1268, R1269, R1270, R1271, R1272, R1273, R1274, R1275, R1276, R1277, R1278, R1279, R1280, R1281, R1282, R1283, R1284, R1285, R1286, R1287, R1288, R1289, R1290, R1291, R1292, R1293, R1294, R1295, R1296, R1297, R1298, R1299, R1300, R1301, R1302, R1303, R1304, R1305, R1306, R1307, R1308, R1309, R1310, R1311, R1312, R1313, R1314, R1315, R1316, R1317, R1318, R1319, R1320, R1321, R1322, R1323, R1324, R1325, R1326, R1327, R1328, R1329, R1330, R1331, R1332, R1333, R1334, R1335, R1336, R1337, R1338, R1339, R1340, R1341, R1342, R1343, R1344, R1345, R1346, R1347, R1348, R1349, R1350, R1351, R1352, R1353, R1354, R1355, R1356, R1357, R1358, R1359, R1360, R1361, R1362, R1363, R1364, R1365, R1366, R1367, R1368, R1369, R1370, R1371, R1372, R1373, R1374, R1375, R1376, R1377, R1378, R1379, R1380, R1381, R1382, R1383, R1384, R1385, R1386, R1387, R1388, R1389, R1390, R1391, R1392, R1393, R1394, R1395, R1396, R1397, R1398, R1399, R1400, R1401, R1402, R1403, R1404, R1405, R1406, R1407, R1408, R1409, R1410, R1411, R1412, R1413, R1414, R1415, R1416, R1417, R1418, R1419, R1420, R1421, R1422, R1423, R1424, R1425, R1426, R1427, R1428, R1429, R1430, R1431, R1432, R1433, R1434, R1435, R1436, R1437, R1438, R1439, R1440, R1441, R1442, R1443, R1444, R1445, R1446, R1447, R1448, R1449, R1450, R1451, R1452, R1453, R1454, R1455, R1456, R1457, R1458, R1459, R1460, R1461, R1462, R1463, R1464, R1465, R1466, R1467, R1468, R1469, R1470, R1471, R1472, R1473, R1474, R1475, R1476, R1477, R1478, R1479, R1480, R1481, R1482, R1483, R1484, R1485, R1486, R1487, R1488, R1489, R1490, R1491, R1492, R1493, R1494, R1495, R1496, R1497, R1498, R1499, R1500, R1501, R1502, R1503, R1504, R1505, R1506, R1507, R1508, R1509, R1510, R1511, R1512, R1513, R1514, R1515, R1516, R1517, R1518, R1519, R1520, R1521, R1522, R1523, R1524, R1525, R1526, R1527, R1528, R1529, R1530, R1531, R1532, R1533, R1534, R1535, R1536, R1537, R1538, R1539, R1540, R1541, R1542, R1543, R1544, R1545, R1546, R1547, R1548, R1549, R1550, R1551, R1552, R1553, R1554, R1555, R1556, R1557, R1558, R1559, R1560, R1561, R1562, R1563, R1564, R1565, R1566, R1567, R1568, R1569, R1570, R1571, R1572, R1573, R1574, R1575, R1576, R1577, R1578, R1579, R1580, R1581, R1582, R1583, R1584, R1585, R1586, R1587, R1588, R1589, R1590, R1591, R1592, R1593, R1594, R1595, R1596, R1597, R1598, R1599, R1600, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1609, R1610, R1611, R1612, R1613, R1614, R1615, R1616,

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11-11 MULTI_SMPS Schematic Diagram(40")

Last Modified Date : 2004.09.21

FREE VOLT 40"
INVERTER SMPS



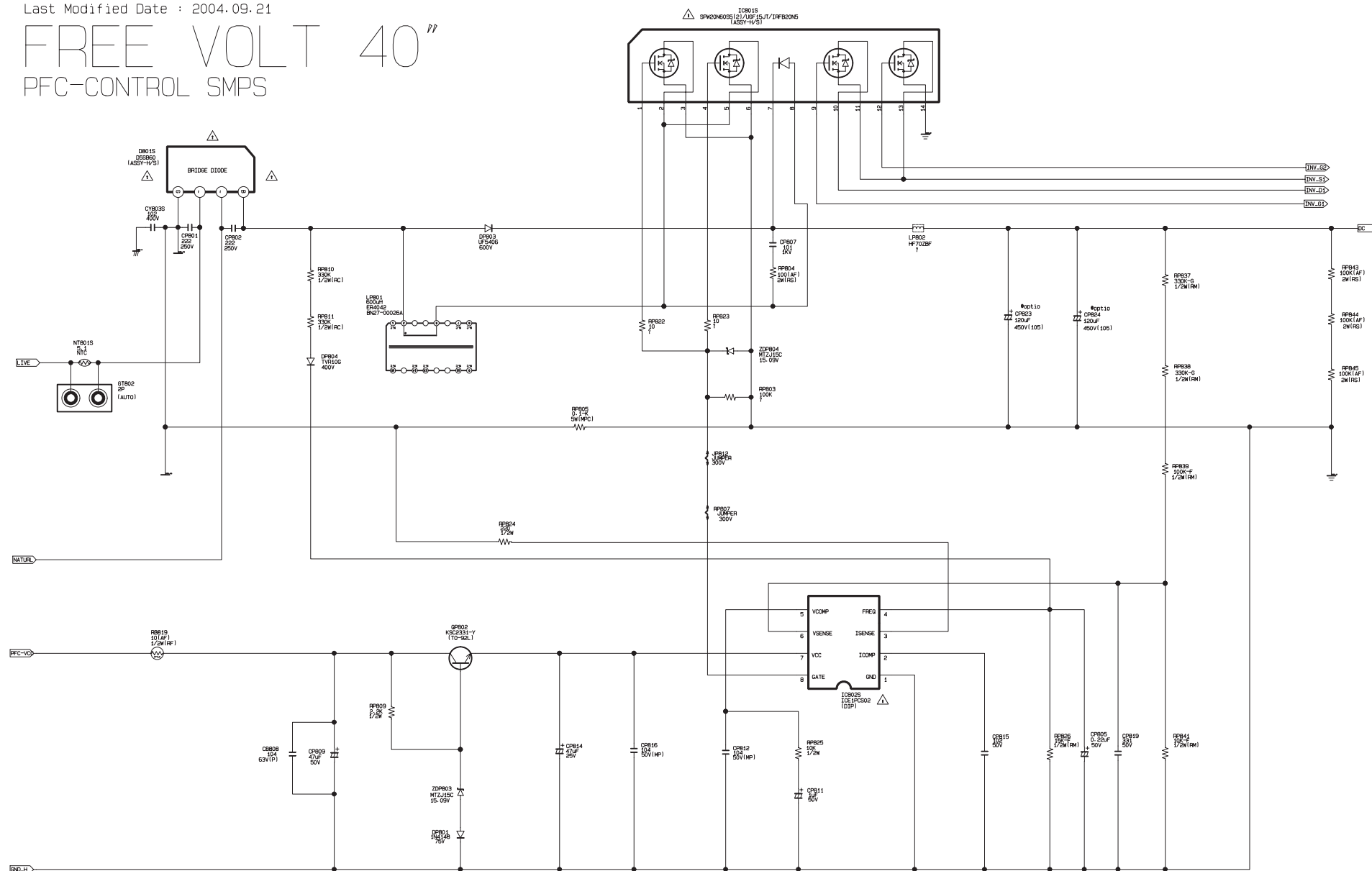
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11-12 PFC_CONTROL SMPS Schematic Diagram(40")

Last Modified Date : 2004.09.21

FREE VOLT 40^{PP}

PFC-CONTROL SMPS

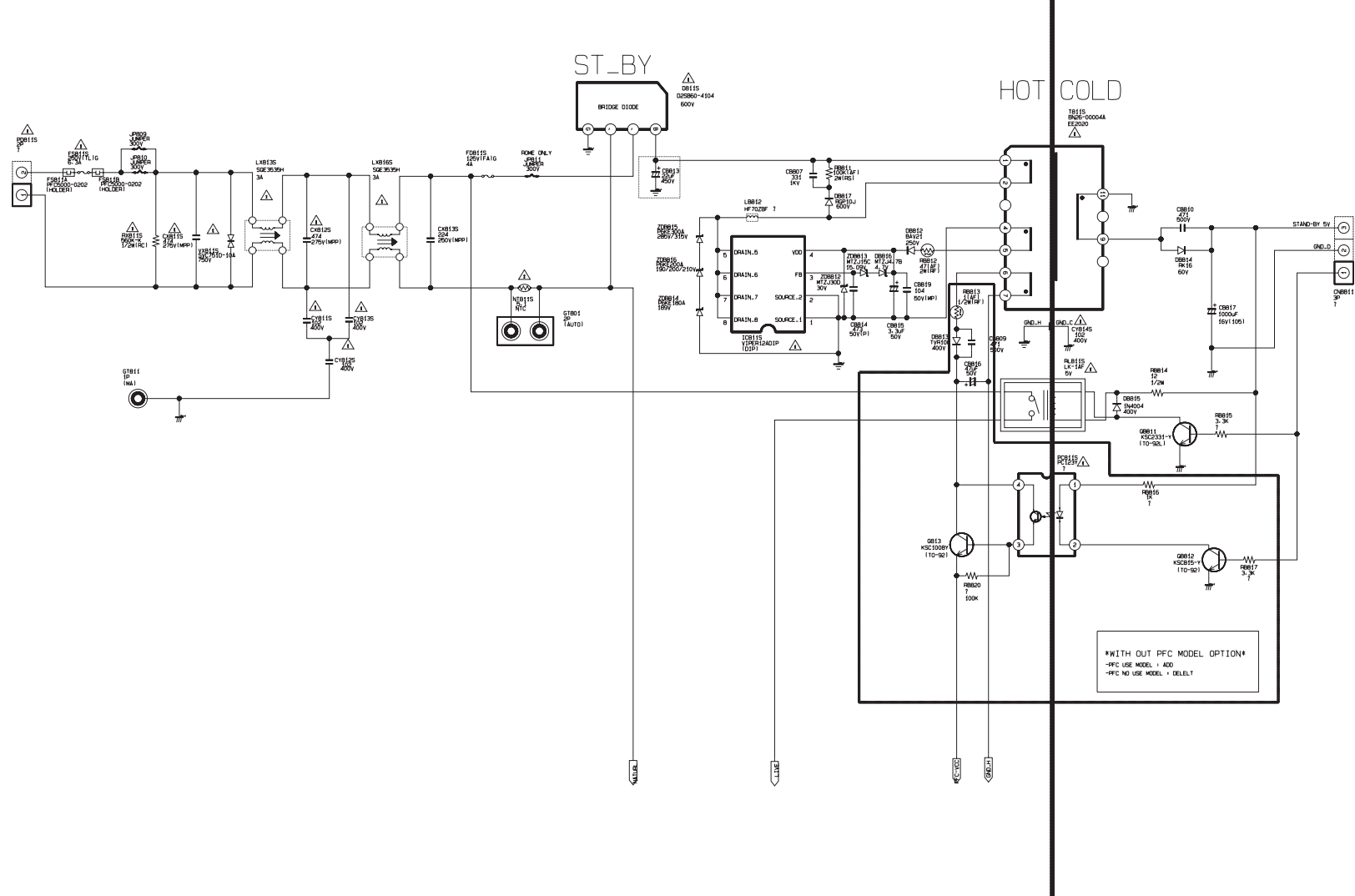


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11-13 STAND BY SMPS Schematic Diagram(40")

Last Modified Date : 2004.09.21

FREE VOLT 40"
STAND-BY SMPS



Memo